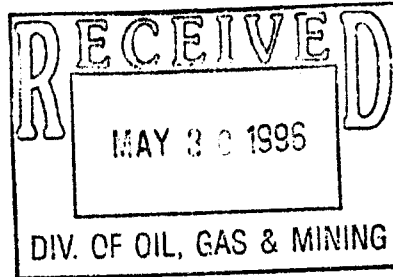




May 29, 1996

Bureau of Land Management  
Vernal District Office  
170 South 500 East  
Vernal, Utah 84078



**ATTENTION: Wayne Bankert**

Re: Monument Butte Federal NE #9-26  
NE/SE Sec. 26, T8S, R16E

Monument Butte Federal NE #10-26  
NW/SE Sec. 26, T8S, R16E

Monument Butte Federal #4-34 (I)  
NW/NW Sec. 34, T8S, R16E

Dear Wayne,

Enclosed are the original and two copies (each) of the Application For Permit To Drill, for the above referenced locations. Copies will also be submitted to the State of Utah.

If additional information is needed, please contact me at (801) 722-5103, in the Roosevelt office.

Sincerely,

Cheryl Cameron  
Regulatory Compliance Specialist

cc: ~~Frank Mathews~~  
State of Utah  
Division of Oil, Gas & Mining  
355 West North Temple  
Salt Lake City, Utah 84180-1203

/cc  
Enclosures

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL WELL ☒

GAS WELL ☐

OTHER

SINGLE ZONE ☐

MULTIPLE ZONE ☐

2. NAME OF OPERATOR

Inland Production Company

3. ADDRESS OF OPERATOR

P.O.Box 1446 Roosevelt, Utah 84066

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

NW/NW

At proposed prod. zone

660'FWL & 660' FNL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drilg. unit line, if any)

660'

16. NO. OF ACRES IN LEASE

360

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

1320'

19. PROPOSED DEPTH

6500'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5616.2' GR

22. APPROX. DATE WORK WILL START\*

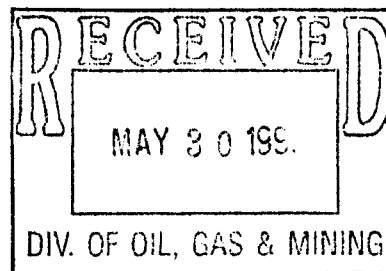
3rd Qtr 1996 (Sept.)

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24#	300'	120 sx Class G, 2% CaCl & 2% Gel
7 7/8	5 1/2	15.5#	TD	400 sx Hilift followed by 330 sx Class G w/ 10% CaCl

The actual cement volumes will be calculated off of the open hole logs,  
plus 15% excess.



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Brad Mechem  
Brad Mechem

TITLE Operations Manager

DATE 5/22/96

(This space for Federal or State office use)

PERMIT NO.

43-013-31669

APPROVAL DATE

APPROVED BY

John Matthews

TITLE

Petroleum Engineer

DATE

10/15/96

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side

SCALE 1" = 1000'	DATE SURVEYED: 4-24-96	DATE DRAWN: 4-25-96
PARTY D.A. G.C. D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE INLAND PRODUCTION CO	

**INLAND PRODUCTION COMPANY  
MONUMENT BUTTE FEDERAL #4-34 (I)  
NW/NW SECTION 34, T8S, R16E  
DUCHESNE COUNTY, UTAH**

**TEN POINT WELL PROGRAM**

**1. GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

**2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0' - 3050'
Green River	3050'
Wasatch	6500'

**3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation 3050' - 6500' - Oil

**4. PROPOSED CASING PROGRAM**

8 5/8", J-55, 24# w/ ST&C collars; set at 300' (New)

5 1/2", J-55, 15.5# w/ LT&C collars; set at TD (New)

**5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

The operators minimum specifications for pressure control equipment are as follows:

A 8" Series 900 Annular Bag type BOP and a 8" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOPS's will be checked daily.

(See Exhibit F)

**6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

The well will be drilled with fresh water through the Uinta Formation. From the top of the Green River Formation @ 3050'  $\pm$ , to TD, a fresh water/polymer system will be utilized. If necessary to control formation fluids, the system will be weighted with the addition of bentonite gel, and if conditions warrant, barite. Clay inhibition will be achieved with additions or by adding DAP (Di-Ammonium Phosphate, commonly known as fertilizer). This fresh water system will contain Total Dissolved Solids (TDS) of less than 3000 PPM. Neither potassium chloride or chromates will be utilized in the fluid system. The anticipated mud weight is 8.4 ppg and weighted as necessary for gas control.



MONUMENT BUTTE FEDERAL #4-34 (I)

7. **AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

8. **TESTING, LOGGING AND CORING PROGRAMS:**

No drill stem testing has been scheduled for this well. It is anticipated at this time that the logging will consist of a Dual Induction Laterolog, Gamma Ray/Caliber from TD to base of surface casing @ 300'  $\pm$ , and a Compensated Neutron-Formation Density Log. Logs will run from TD to 3500'  $\pm$ . The cement bond log will be run from PBD to cement top. An automated mud logging system will be utilized while drilling to monitor and record penetration rate, and relative gas concentration, in the fluid system.

9. **ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

The anticipated bottom hole pressure is 2500 psi. It is not anticipated that abnormal temperatures will be encountered; nor that any other abnormal hazards such as H<sub>2</sub>S will be encountered in this area.

10. **ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

It is anticipated that the drilling operations will commence in September, 1996. and take approximately six days to drill.

**INLAND PRODUCTION COMPANY  
MONUMENT BUTTE FEDERAL #4-34 (I)  
NW/NW SECTION 34, T8S, R16E  
DUCHESNE COUNTY, UTAH**

**THIRTEEN POINT WELL PROGRAM**

**1. EXISTING ROADS**

See attached Topographic Map "A"

To reach Inland Production Company well location site Monument Butte Federal #4-34 (I) located in the NW 1/4 NW 1/4 Section 34, T8S, R16E, S.L.B. & M. Duchesne County, Utah:

Proceed westerly out of Myton, Utah along Highway 40 - 1.5 miles  $\pm$  to the junction of this highway and Utah State Highway 53; proceed southerly along Utah State Highway 53 - 6.3 miles to its junction with Utah State Highway 216; proceed southwesterly along State Highway 216 - 3.6 miles to its junction with an existing dirt road to the northwest; proceed northwesterly along this road .2 miles to the existing Monument Butte Federal #5-34; proceed northwesterly on the proposed access road, to be discussed in Item #2.

The highways mentioned in the foregoing paragraph are bituminous surfaced roads to the point where Highway 216 exists to the South, thereafter the roads are constructed with existing materials and gravel. The highways are maintained by Utah State road crews. All other roads are maintained by County Crews.

The aforementioned dirt oilfield service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads required for access during the drilling, completion and production phase will be maintained at the standards required by the BLM or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal.

**2. PLANNED ACCESS ROAD**

See Topographic Map "B".

The planned access road leaves the existing location described in Item #1 in the SW 1/4 NW 1/4 Section 34, T8S, R16E, S.L.B. & M., and proceeds in a northwesterly direction to the proposed location site.

The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is determined necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%.

## MONUMENT BUTTE FEDERAL #4-34 (I)

There will no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

### 3. LOCATION OF EXISTING WELLS

There are eighteen (18) producing , seven (7) injection and two (2) P&A Inland Production wells, and five (5) producing, Balcron wells, within a one (1) mile radius of this location. See Exhibit "D".

### 4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well.

Upon construction of a tank battery the well pad will be surrounded by a dike of sufficient capacity to contain at minimum the entire contents of the largest tank within the facility battery.

Tank batteries will be built to BLM specifications.

### 5. LOCATION AND TYPE OF WATER SUPPLY

Inland Production Company has purchased a 3" water connection with Johnson Water District to supply the Monument Butte, Travis, and Gilsonite oil fields. Johnson Water District has given permission to Inland Production Company to use water from this system, for the purpose of drilling and completing the Monument Butte Federal #4-34 (I).

Existing water for this well will be trucked from Inland Production Company's water supply line located at the Gilsonite State #7-32 (SW/NE Sec. 32, T8S, R17E), or the Monument Butte Federal #5-35 (SW/NW Sec. 35, T8S, R16E), or the Travis Federal #15-28 (SW/SE Sec. 28, T8S, R16E). See Exhibit "C".

There will be no water well drilled at this site.

### 6. SOURCE OF CONSTRUCTION MATERIALS

See Location Layout Sheet - Exhibit "E".

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road.

A mineral material application is not required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

See Location Layout Sheet - Exhibit "E".

A small reserve pit (80 X 30 X 6' deep, or less) will be constructed from native soil and clay materials. A water processing unit will be employed to continuously recycle the drilling fluid as it is used, returning the fluid component to the drilling rig's steel tanks. The reserve pit will primarily receive the processed drill cuttings (wet sand, shale & rock) removed from the well bore. Any drilling fluids which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed by the water recycling unit and then returned to the steel rig tanks. All drilling fluids will be fresh water based containing DAP (Di-Ammonium Phosphate, commonly known as fertilizer), typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride chromates, trash, debris, nor any other substance deemed hazardous will be placed in this pit. Therefore, it is proposed that no synthetic liner be utilized in the reserve pit.

All completion fluids, frac gels, etc., will be contained in steel tanks and hauled away to approved commercial disposal, as necessary.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

Immediately upon first production, all produced water will be confined in storage tanks. Inland requests temporary approval to transfer the produced water to Inland's nearby waterflood, for reinjection into the waterflood reservoirs via existing approved injection wells. Within 90 days of first production, a water analysis will be submitted to the Authorized Officer, along with an application for approval of this, as a permanent disposal method.

8. **ANCILLARY FACILITIES**

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. **WELL SITE LAYOUT**

See attached Location Layout Sheet - Exhibit "E".

The reserve pit will be located on the northwest between stakes 5 & 6.

There will be no flare pit on this well.

The stockpiled topsoil (first six (6) inches) will be windrowed on the southeast, between stakes 2 & 8.

Access to the well pad will be from the southwest, between stakes 2 & 3.

**Fencing Requirements**

All pits will be fenced according to the following minimum standards:

- a) 39 inch net wire shall be used with at least one strand of barbed wire on top of the net.

## MONUMENT BUTTE FEDERAL #4-34 (I)

- b) The net wire shall be not more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.
- c) Corner posts shall be cemented and/or braced in such a manner to keep tight at all times.
- d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.
- e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

### 10. PLANS FOR RESTORATION OF SURFACE

#### a) *Producing Location*

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

The reserve pit and that portion of the location not needed for production facilities/operations will be re contoured to the approximated natural contours. The reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed.

When the drilling and completion phase ends, reclamation of unused disturbed areas on the well pad/access road no longer needed for operations, such as cut slopes, and fill areas will be accomplished by grading, leveling and seeding as recommended by the Authorized Officer. The seed mixture will be per B.L.M. and stated in the conditions of approval.

#### b) *Dry Hole Abandoned Location*

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the B.L.M. will attach the appropriate surface rehabilitation conditions of approval.

### 11. SURFACE OWNERSHIP - Bureau Of Land Management

MONUMENT BUTTE FEDERAL #4-34 (I)

12. OTHER ADDITIONAL INFORMATION

- a) Inland Production Company is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, Inland is to immediately stop work that might further disturb such materials, and contact the Authorized Officer.
- b) Inland Production will control noxious weeds along rights-of-way for roads, pipelines, well sites, or other applicable facilities. On B.L.M. administered land it is required that a Pesticide Use Proposal shall be submitted, and given approval, prior to the application of herbicides or other possible hazardous chemicals.
- c) Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on Federal Lands after the conclusion of drilling operations or at any other time without B.L.M. authorization. However, if B.L.M. authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.

The Archaeological Cultural Resource Survey Report will be submitted, as soon as it becomes available.

*Additional Surface Stipulations*

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations. Onshore Oil and Gas Orders, the approved plan of operations, and any applicable Notice to Lessees. Inland Production is fully responsible for the actions of its subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

*Hazardous Material Declaration*

Inland Production Company guarantees that during the drilling and completion of the Monument Butte Federal #4-34 (I), we will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Inland also guarantees that during the drilling and completion of the Monument Butte Federal #4-34 (I), we will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Inland Production Company or a contractor employed by Inland Production shall contact the B.L.M. office at (801) 789-1362, 48 hours prior to construction activities.

The B.L.M. office shall be notified upon site completion prior to moving on the drilling rig.

MONUMENT BUTTE FEDERAL #4-34 (I)

13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

Representative

Name: Brad Mecham

Address: P.O. Box 1446 Roosevelt, Utah 84066

Telephone: (801) 722-5103

Certification

Please be advised that INLAND PRODUCTION COMPANY is considered to be the operator of Well #4-34 (I) NW/NW Section 34, Township 8S, Range 16E: Lease #U-62848 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

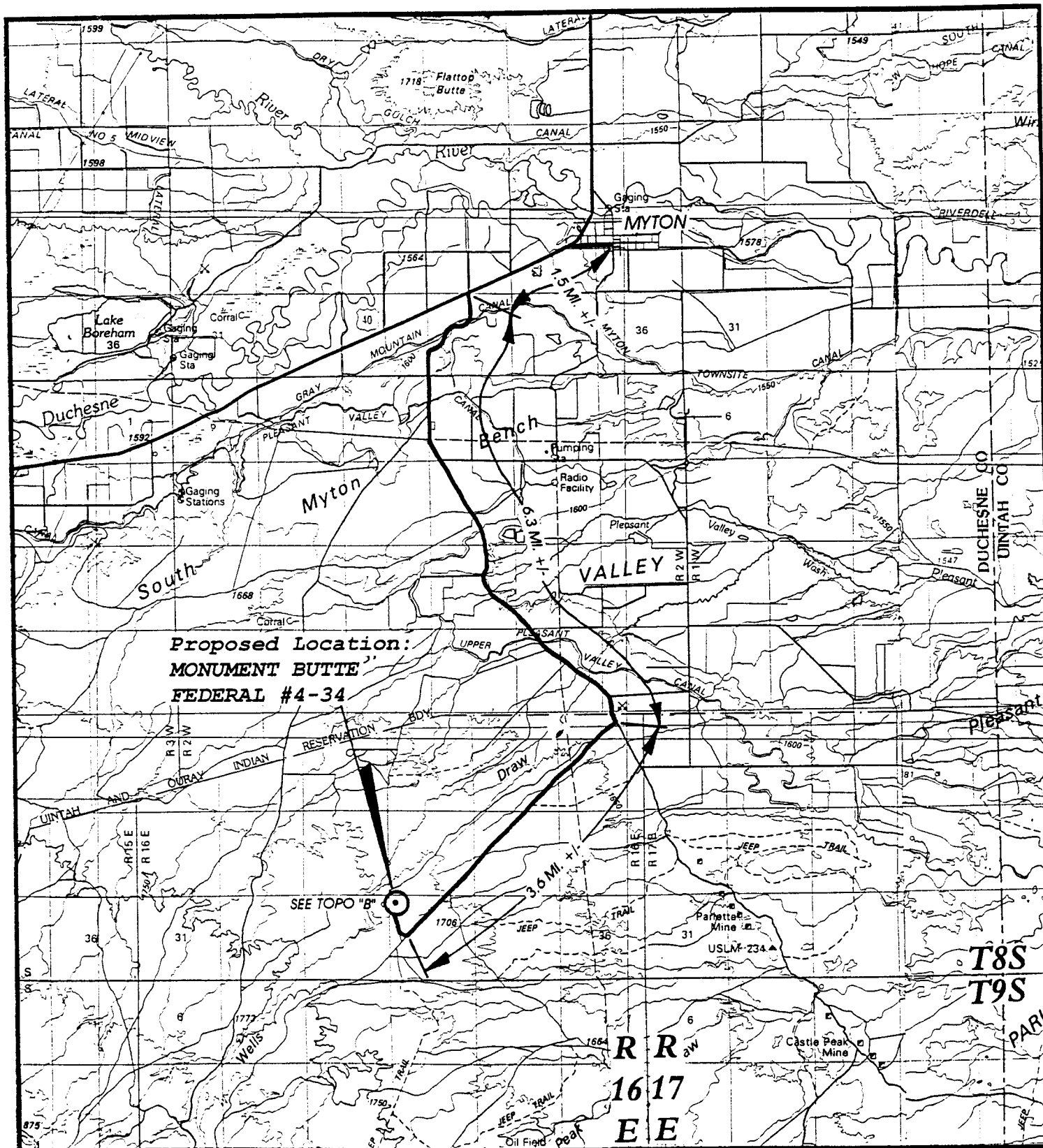
I hereby certify that I, or persons under my direct supervision have inspected the proposed drillsite and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Inland Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

5-28-96

Date

Brad Mecham

Brad Mecham  
Operations Manager



UELS

**TOPOGRAPHIC  
MAP "A"**

DATE: 4-25-96  
Drawn by: D.COX

UINTAH ENGINEERING & LAND SURVEYING  
35 So. 200 East • Vernal, Utah 84078 • (201) 789-1017



**INLAND PRODUCTION CO.**  
**MONUMENT BUTTE FEDERAL #4-34**  
**SECTION 34, T8S, R16E, S.L.B.&M.**  
**660' FNL 660' FWL**



**R  
16  
E**

Oil Well

Drill Hole

**Proposed Location:  
MONUMENT BUTTE  
FEDERAL #4-34**

**EXISTING WELL  
MBF #5-34**

**PROPOSED ACCESS ROAD**

**11.4 MI. +L**

**0.2 MI. +L**

**T8S**

**T9S**

**TOPOGRAPHIC  
MAP "B"**

**DATE: 4-25-96  
Drawn by: D.COX**

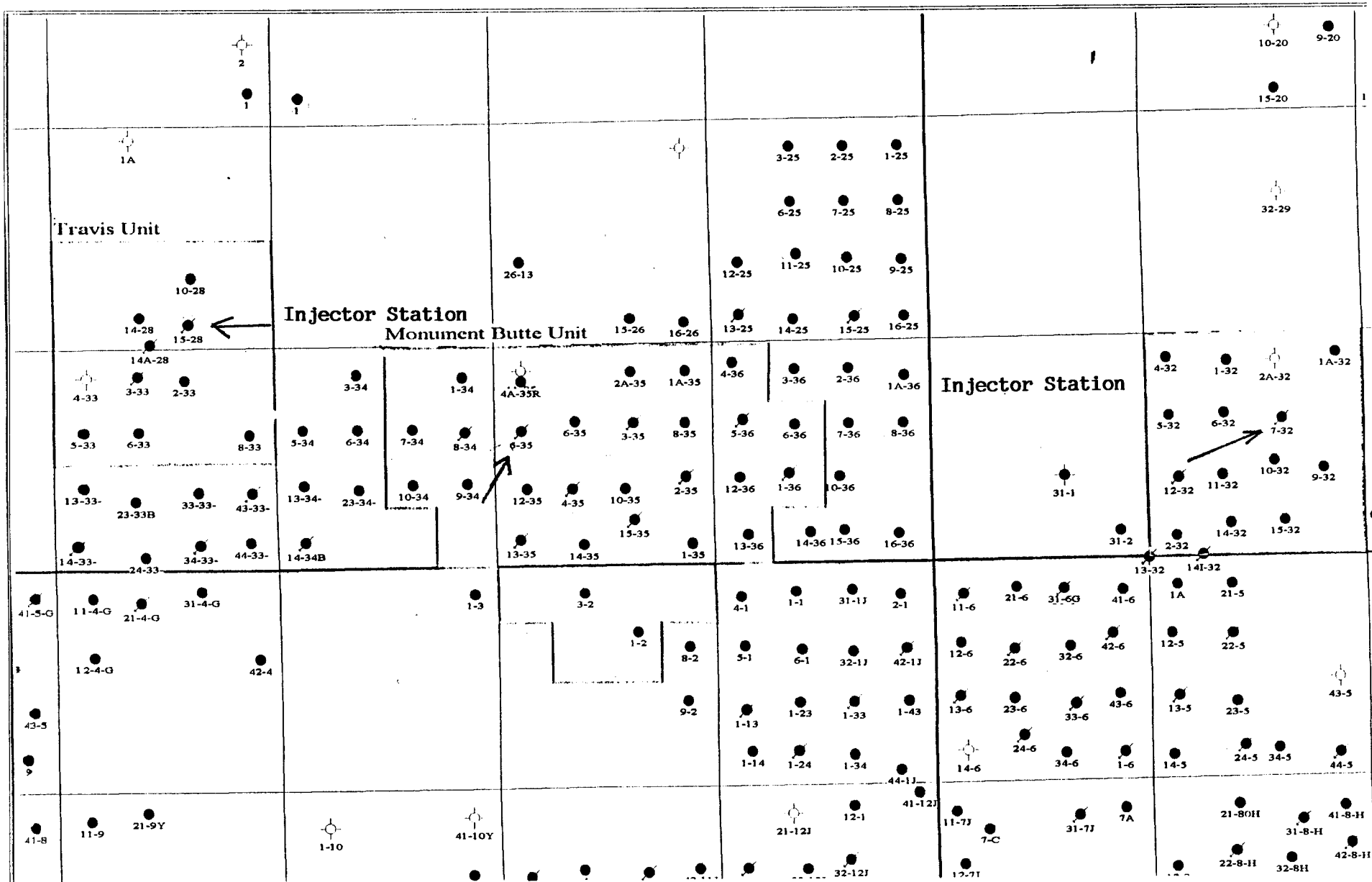
**INLAND PRODUCTION CO.**

**MONUMENT BUTTE FEDERAL #4-34  
SECTION 34, T8S, R16E, S.L.B.&M.  
660' FNL 660' FWL**

**UNTAH ENGINEERING & LAND SURVEYING**  
85 So. 200 East • Normal, Utah 84078 • (801) 780-1017

**SCALE: 1" = 2000'**

**EXHIBIT "C"**



475 17<sup>th</sup> Street Suite 1500  
Denver, Colorado 80202  
Phone: (303)-292-0900

### Regional Area

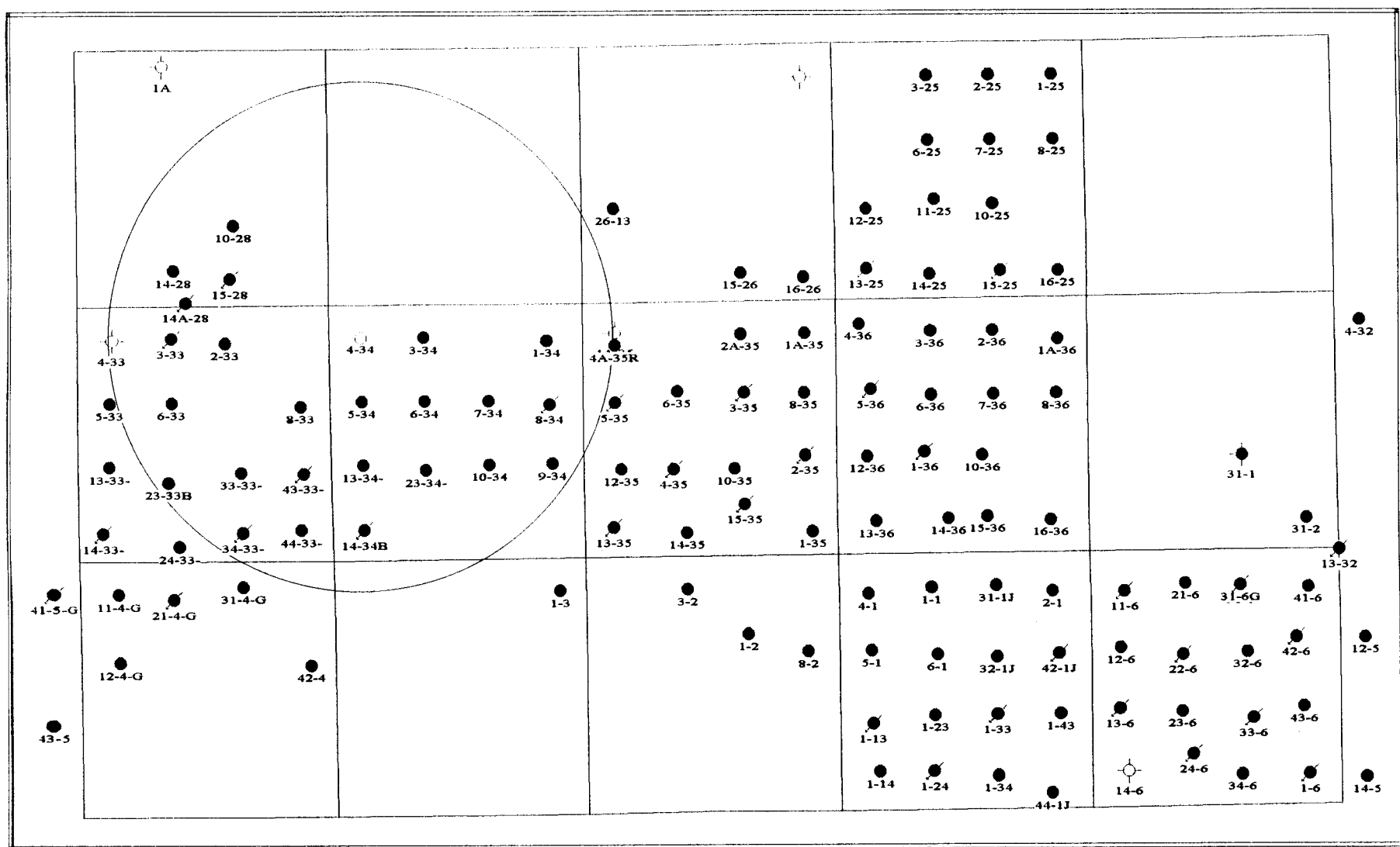
**Duchesne Counties, Utah**

Date: 5/7/96

JA.



# EXHIBIT "D"



**Inland**  
RESEARCH, INC.

475 17<sup>th</sup> Street Suite 1500  
Denver, Colorado 80202  
Phone: (303) 292-0900

One Mile Radius  
Monument Butte Federal #4-34  
Duchenne Counties, Utah

Date: 5/1/96 J.A.



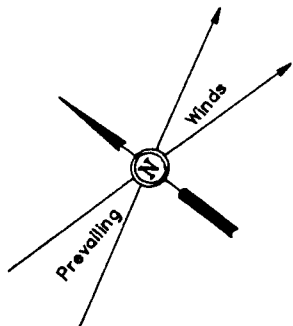
## INLAND PRODUCTION CO.

## LOCATION LAYOUT FOR

MONUMENT BUTTE FEDERAL #4-34

SECTION 34, T8S, R16E, S.L.B.&amp;M.

660' FNL 660' FWL



SCALE: 1" = 50'

DATE: 4-25-96

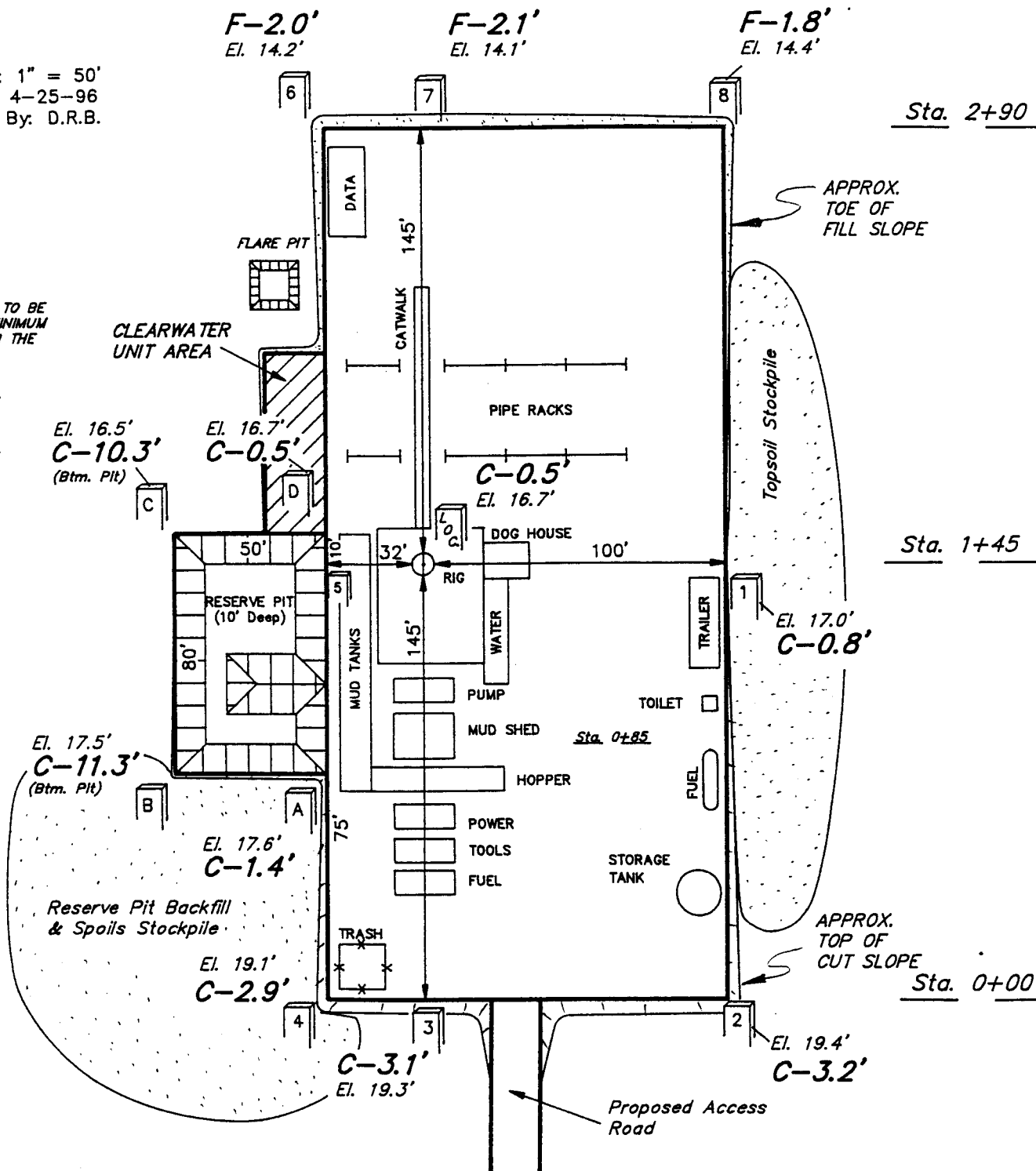
Drawn By: D.R.B.

**NOTE:**

FLARE PIT IS TO BE LOCATED A MINIMUM OF 125' FROM THE WELL HEAD.

**NOTE:**

PIT CAPACITY WITH 2' OF FREEBOARD = 3,090 Bbls.



Elev. Ungraded Ground at Location Stake = 5616.7'

Elev. Graded Ground at Location Stake = 5616.2'

UINTAH ENGINEERING &amp; LAND SURVEYING

85 So. 200 East • Vernal, Utah 84078 • (801) 788-1017

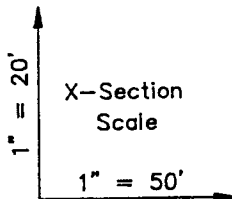
## INLAND PRODUCTION CO.

## TYPICAL CROSS SECTIONS FOR

MONUMENT BUTTE FEDERAL #4-34

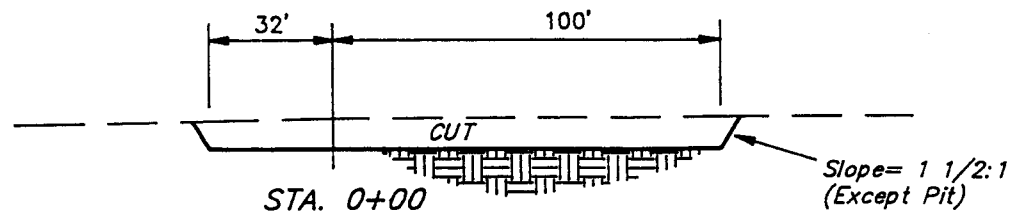
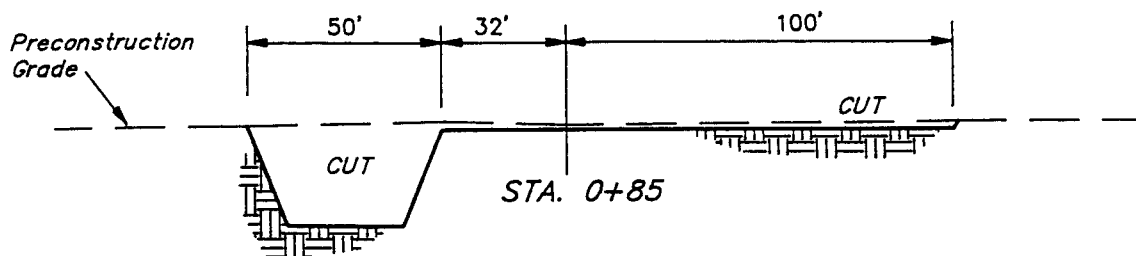
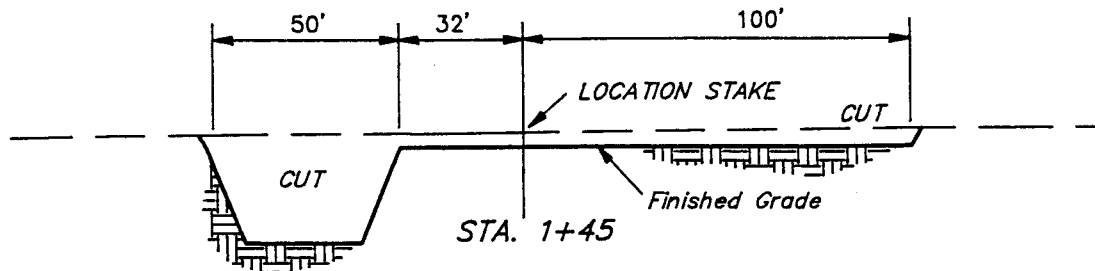
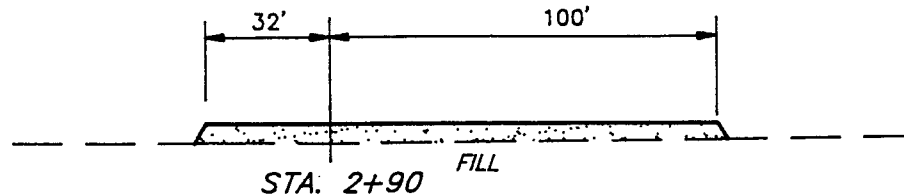
SECTION 34, T8S, R16E, S.L.B.&amp;M.

660' FNL 660' FWL



DATE: 4-25-96  
Drawn By: D.R.B.

*Ray*



## NOTE:

Topsoil should not be  
Stripped Below Finished  
Grade on Substructure Area.

## APPROXIMATE YARDAGES

CUT	
(6") Topsoil Stripping	= 780 Cu. Yds.
Remaining Location	= 2,010 Cu. Yds.
TOTAL CUT	= 2,790 CU.YDS.
FILL	= 860 CU.YDS.

EXCESS MATERIAL AFTER  
5% COMPACTION = 1,880 Cu. Yds.

Topsoil & Pit Backfill  
(1/2 Pit Vol.) = 1,240 Cu. Yds.

EXCESS MATERIAL After = 640 Cu. Yds.  
Reserve Pit is Backfilled &  
Topsoil is Re-distributed

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85 So. 200 East • Vernal, Utah 84078 • (801) 789-1017

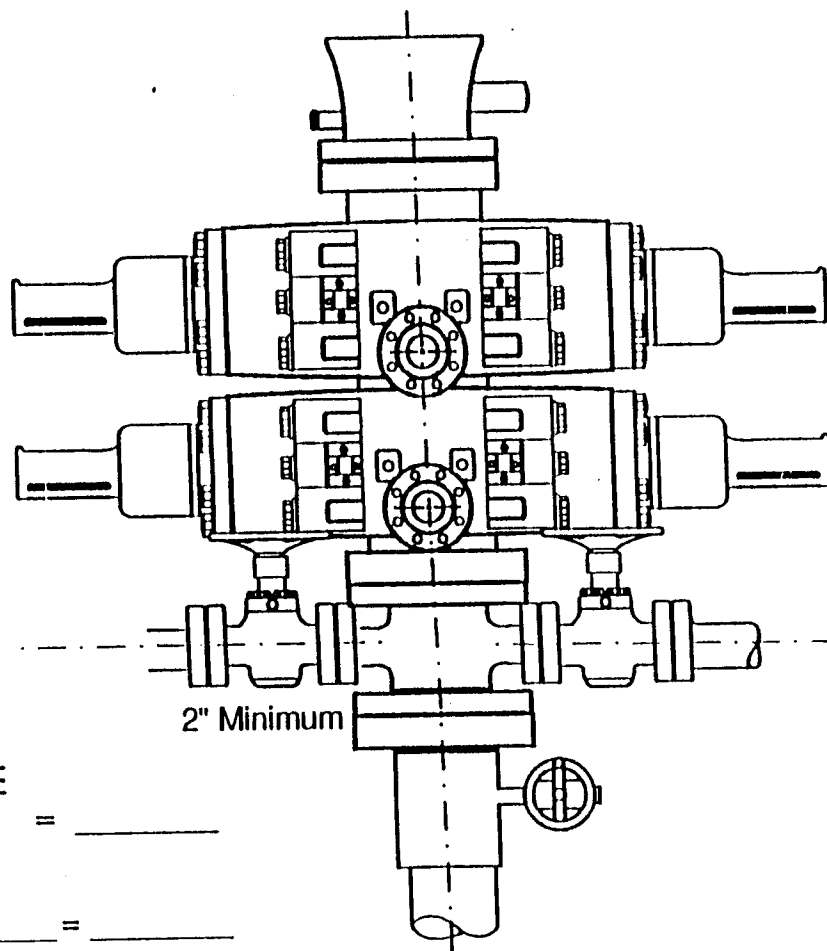
## 2-M SYSTEM

**Make:**

**Size:**

**Model:**

**EXHIBIT F**



GAL TO CLOSE

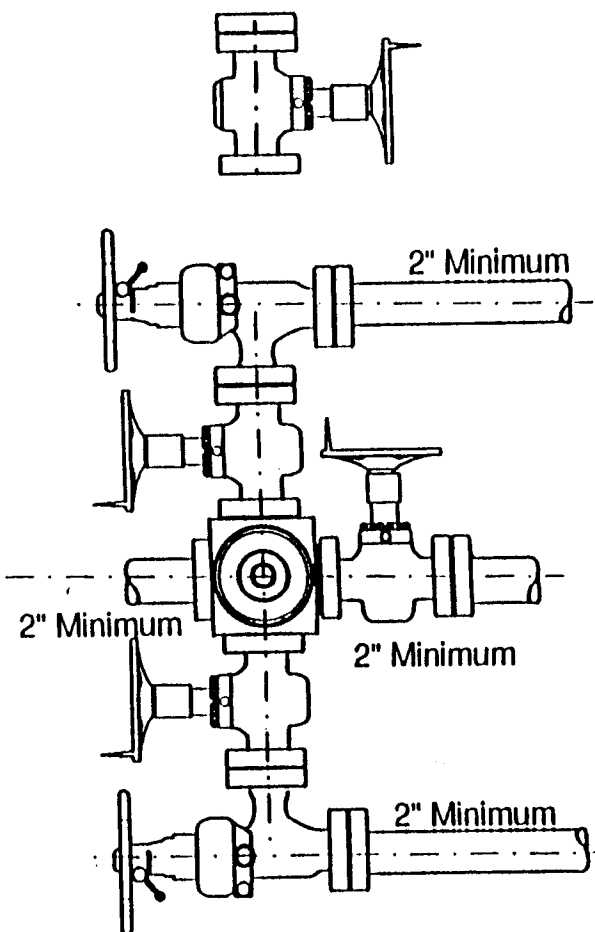
Annular BOP = \_\_\_\_\_

Ramtype BOP  
Rams x \_\_\_\_\_ = \_\_\_\_\_

Rams x \_\_\_\_\_ = \_\_\_\_\_

Gal.

\_\_\_\_\_ x 2 = \_\_\_\_\_ Total Gal.



Rounding off to the next higher  
increment of 10 gal. would require  
Gal. (total fluid & nitro volume)

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 05/30/96

API NO. ASSIGNED: 43-013-31669

WELL NAME: MONUMENT BUTTE FEDERAL 4-34(I)  
OPERATOR: INLAND PRODUCTION COMPANY (N5160)

PROPOSED LOCATION:

NWNW 34 - T08S - R16E  
SURFACE: 0660-FNL-0660-FLW  
BOTTOM: 0660-FNL-0660-FWL  
DUCHESNE COUNTY  
MONUMENT BUTTE FIELD (105)

LEASE TYPE: FED  
LEASE NUMBER: U - 62848

PROPOSED PRODUCING FORMATION: GRRV

INSPECT LOCATION BY: / /

TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

RECEIVED AND/OR REVIEWED:

☒ Plat  
☒ Bond: Federal ☒ State ☐ Fee ☐  
(Number 4498944)  
☒ Potash (Y/N)  
☒ Oil shale (Y/N)  
☒ Water permit  
(Number WATER INJECTION WELL 9-32)  
☒ RDCC Review (Y/N)  
(Date: \_\_\_\_\_)

LOCATION AND SITING:

\_\_\_ R649-2-3. Unit: \_\_\_\_\_  
☒ R649-3-2. General.  
\_\_\_ R649-3-3. Exception.  
\_\_\_ Drilling Unit.  
\_\_\_ Board Cause no: \_\_\_\_\_  
\_\_\_ Date: \_\_\_\_\_

COMMENTS: \_\_\_\_\_

STIPULATIONS: \_\_\_\_\_

**STATE OF UTAH, DIV OF OIL, GAS & MINERALS**

<b>Operator: INLAND PRODUCTION CO</b>	<b>Well Name: MON BUTTE FED 4-34(I</b>
<b>Project ID: 43-013-31669</b>	<b>Location: SEC. 34 - T08S - R16E</b>

Design Parameters:

Mud weight ( 7.39 ppg) : 0.384 psi/ft  
 Shut in surface pressure : 2137 psi  
 Internal gradient (burst) : 0.055 psi/ft  
 Annular gradient (burst) : 0.000 psi/ft  
 Tensile load is determined using air weight  
 Service rating is "Sweet"

Design Factors:

Collapse : 1.125  
 Burst : 1.00  
 8 Round : 1.80 (J)  
 Buttress : 1.60 (J)  
 Other : 1.50 (J)  
 Body Yield : 1.50 (B)

Length (feet)		Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost
1	6,500	5.500	15.50	J-55	LT&C	6,500	4.825	
	Collapse Load Strgth S.F. (psi) (psi)			Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load Strgth S.F. (kips) (kips)	
1	2495	4040	1.619	2495	4810	1.93	100.75	217 2.15 J

Prepared by : MATTHEWS, Salt Lake City, Utah  
 Date : 10-11-1996  
 Remarks :

GREEN RIVER

Minimum segment length for the 6,500 foot well is 1,500 feet.

SICP is based on the ideal gas law, a gas gravity of 0.69, and a mean gas temperature of 119°F (Surface 74°F , BHT 165°F & temp. gradient 1.400°/100 ft.)

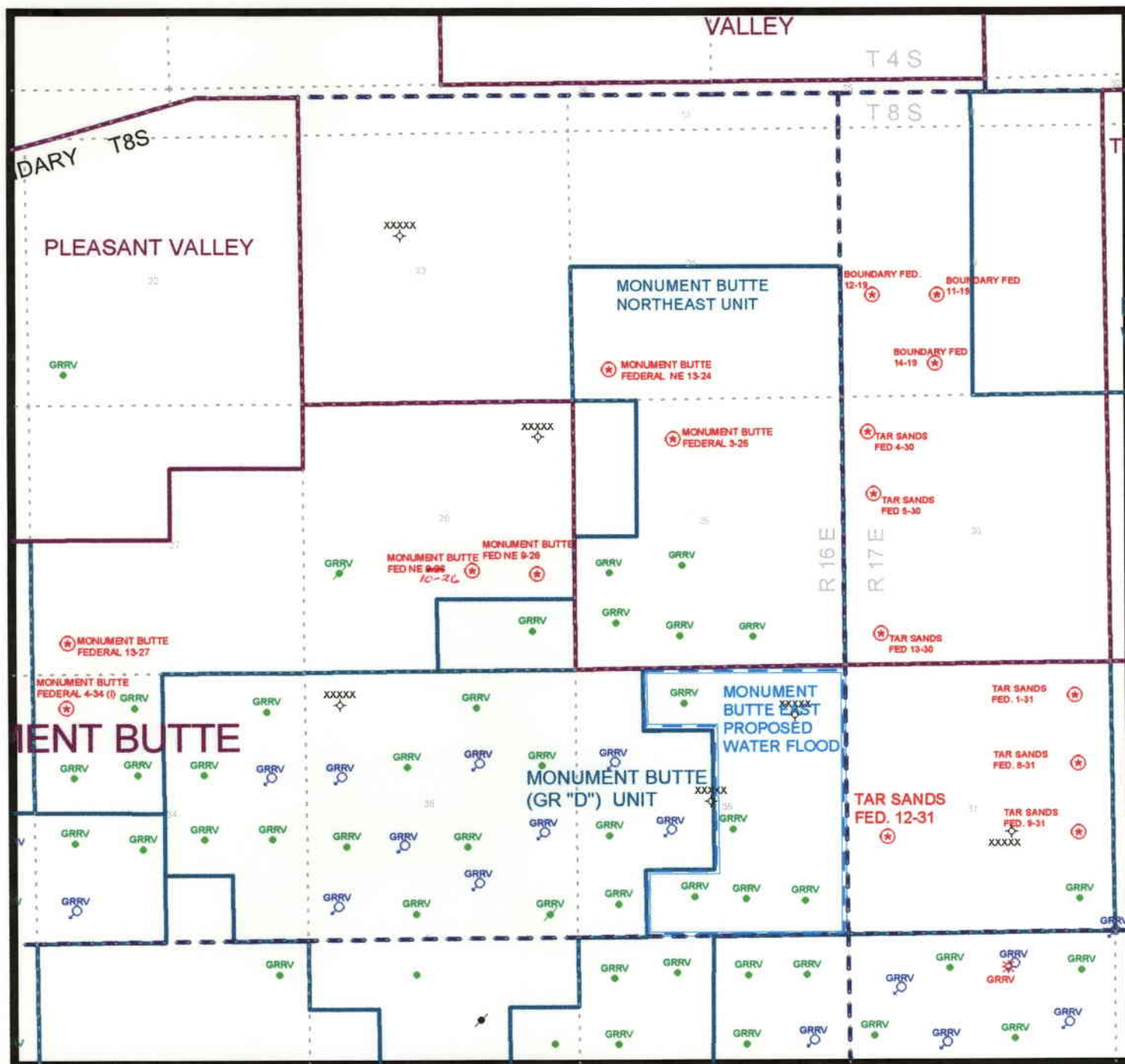
String type: Production

The mud gradient and bottom hole pressures (for burst) are 0.384 psi/ft and 2,495 psi, respectively.

**NOTE:** The design factors used in this casing string design are as shown above. As a general guideline, Lone Star Steel recommends using minimum design factors of 1.125 - collapse (with evacuated casing), 1.0 - (uniaxial) burst, 1.8 - API 8rd tension, 1.6 - buttress tension, 1.5 - body yield tension, and 1.6 - EUE 8rd tension. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility for use of this design will be that of the purchaser.  
 Costs for this design are based on a 1987 pricing model. (Version 1.07)



**INLAND PRODUCTION COMPANY  
DEVELOPMENT DRILLING  
SEC. 26 & 34, T8S, R16E,  
DUCHESNE, COUNTY UAC R649-3-2**



**PREPARED:  
DATE: 30-MAY-96**



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor

Ted Stewart  
Executive Director

James W. Carter  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340  
801-359-3940 (Fax)  
801-538-5319 (TDD)

October 15, 1996

Inland Production Company  
P.O. Box 1446  
Roosevelt, Utah 84066

Re: Monument Butte Federal 4-34(I) Well, 660' FNL, 660' FWL,  
NW NW, Sec. 34, T. 8 S., R. 16 E., Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-31669.

Sincerely,

R. J. Firth  
Associate Director

lwp

Enclosures

cc: Duchesne County Assessor  
Bureau of Land Management, Vernal District Office

Operator: Inland Production Company  
Well Name & Number: Monument Butte Federal 4-34(I)  
API Number: 43-013-31669  
Lease: U-62848  
Location: NW NW Sec. 34 T. 8 S. R. 16 E.

### Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. Notification Requirements

Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jimmie Thompson at (801)538-5336.

Notify the Division prior to commencing operations to plug and abandon the well. Contact Frank Matthews at (801)538-5334 or Mike Hebertson at (801)538-5333.

3. Reporting Requirements

All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL  
WELL ☒

GAS  
WELL ☐

OTHER

SINGLE  
ZONE ☐

MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

Inland Production Company

3. ADDRESS OF OPERATOR

P.O. Box 1446 Roosevelt, Utah 84066

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At surface

NW/NW

At proposed prod. zone

660' FWL & 660' FNL

43-013-31669

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

15. DISTANCE FROM PROPOSED\*  
LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

660'

16. NO. OF ACRES IN LEASE

360

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

1320'

19. PROPOSED DEPTH

6500'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5616.2' GR

22. APPROX. DATE WORK WILL START\*

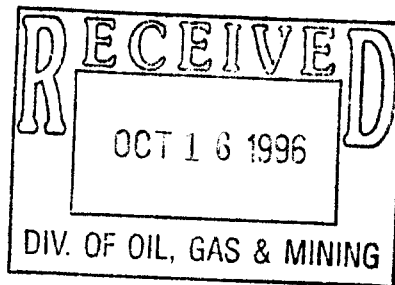
3rd Qtr 1996 (Sept.)

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24#	300'	120 sx Class G, 2% CaCl & 2% Gel
7 7/8	5 1/2	15.5#	TD	400 sx Hilift followed by 330 sx Class G w/ 10% CaCl

The actual cement volumes will be calculated off of the open hole logs,  
plus 15% excess.



RECEIVED  
MAY 30 1996

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Brad Mechem  
Brad Mechem

TITLE Operations Manager

DATE 5/22/96

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

Assistant Field Manager

CONDITIONS OF APPROVAL, IF ANY:

TITLE Mineral Resources

DATE OCT 11 1996

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED

\*See Instructions On Reverse Side

**CONDITIONS OF APPROVAL**  
**APPLICATION FOR PERMIT TO DRILL**

Company/Operator: Inland Production Company

Well Name & Number: Monument Butte Federal 4-34(I)

API Number: 43-013-31669

Lease Number: U -62848

Location: NWNW Sec. 34 T. 8S R. 16E

**NOTIFICATION REQUIREMENTS**

- |                                 |   |   |
|---------------------------------|---|---|
| Location Construction           | - | at least forty-eight (48) hours prior to construction of location and access roads.   |
| Location Completion             | - | prior to moving on the drilling rig.  |
| Spud Notice                     | - | at least twenty-four (24) hours prior to spudding the well.   |
| Casing String and Cementing     | - | at least twenty-four (24) hours prior to running casing and cementing all casing strings.   |
| BOP and Related Equipment Tests | - | at least twenty-four (24) hours prior to initiating pressure tests.   |
| First Production Notice         | - | within five (5) business days after new well begins, or production resumes after well has been off production for more than ninety (90) days. |

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

### CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Orders, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

#### A. DRILLING PROGRAM

##### 1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

Report ALL water shows and water-bearing sands to Tim Ingwell of this office **prior to setting the next casing string or requesting plugging orders**. Faxed copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

##### 2. Pressure Control Equipment

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., for a 2M system and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

If an air compressor is on location and is being utilized to provide air for the drilling medium while drilling, the special drilling requirements in Onshore Oil and Gas Order No. 2, regarding air or gas drilling shall be adhered to. If a mist system is being utilized then the requirement for a deduster shall be waived.

3. Casing Program and Auxiliary Equipment

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint.

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the base of the usable water, identified at 461 ft. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

4. Mud Program and Circulating Medium

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

5. .Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

All Drill Stem tests (DST) shall be accomplished during daylight hours, unless specific approval to start during other hours is obtained from the AO. However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vaporproof for safe operations). Packers can be released, but tripping should not begin before daylight unless prior approval is obtained from the AO.

A cement bond log (CBL) will be run from the production casing shoe to  $\pm$  261 ft., and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

6. Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.



A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within thirty (30) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling onlease or off-lease will have prior written approval from the AO.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted on initial meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hours approvals are necessary, please contact one of the following individuals:

Ed Forsman                      (801) 789-7077  
Petroleum Engineer

Wayne P. Bankert              (801) 789-4170  
Petroleum Engineer

Jerry Kenczka                  (801) 781-1190  
Petroleum Engineer

BLM FAX Machine              (801) 781-4410

## EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

While the following wastes are nonexempt, they are not necessarily hazardous.

Unused fracturing fluids or acids

Gas plant cooling tower cleaning wastes

Painting wastes

Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spent solvents, spilled chemicals, and waste acids

Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste

Refinery wastes

Liquid and solid wastes generated by crude oil and tank bottom reclaimers

Used equipment lubrication oils

Waste compressor oil, filters, and blowdown

Used hydraulic fluids

Waste solvents

Waste in transportation pipeline-related pits

Caustic or acid cleaners

Boiler cleaning wastes

Boiler refractory bricks

Incinerator ash

Laboratory wastes

Sanitary wastes

Pesticide wastes

Radioactive tracer wastes

Drums, insulation and miscellaneous solids.

**SURFACE USE PROGRAM**

-Access roads and surface disturbing activities will conform to standards outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development, (1989).

-All vehicle travel will be confined to existing access road rights-of-way.

-No surface disturbing activities, construction, or drilling operations, including the initial completion activities, are to occur on the well, access road, or location from March 15 through August 15. This restriction is to protect Mountain Plovers and Burrowing Owls located in the surrounding area. The restriction does not apply to maintenance and operation of existing wells and facilities. Waivers, exceptions, or modifications to this Condition of Approval may be specifically approved in writing by the authorized officer of the Bureau of Land Management if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.

-No construction or drilling will be allowed from Feb. 1 to July 15 to protect nesting golden eagles.

-In order to reduce noise levels in the area to lessen impacts to nesting eagles, a multi-cylinder engine should be used on the pumping unit if the well becomes a producing well.

**Inland Production Co.**

**To:** Lysha Cordova  
**Company:**  
**Fax number:** +1 (801) 359-3940  
**Business phone:**

**From:** Cheryl Cameron  
**Fax number:** +1 (801) 789-1877  
**Business phone:** 801-789-1866  
**Home phone:**

Date & Time: 11/4/96 9:00:10 AM  
Pages: 2  
Re: Entity Action Form

Lysha,

**I am faxing the Eneity Action Form 6 for the following locations:**

Boundary #7-21  
Monument Butte Federal #13-27  
Monument Butte Federal #4-34 |  
Monument Butte Federal #3A-35

STATE OF WYOMING  
DIVISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM - FORM 6

OPERATOR Inland Production Company

OPERATOR ACCT. NO. " 3160

ADDRESS P.O. Box 790233

Version 1 IIT 84070

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION				COUNTY	SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG			
A	99999	12025	43-013-31640	Boundary 7-21	SENE	21	3S	17E	Duchesne	10/12/96	10/12/96
WELL 1 COMMENTS: <i>Entities added 11-5-96. Lee</i>											
A	99999	12026	43-013-31611	Monument Butte Federal 13-27	SWSW	27	3S	16E	Duchesne	10/26/96	10/26/96
WELL 2 COMMENTS:											
A	99999	12027	43-013-31669	Monument Butte Federal 4-34 I	NWNW	34	18S	16E	Duchesne	10/16/96	10/16/96
WELL 3 COMMENTS:											
B	99999	10835	43-013-31738	Monument Butte Federal 3A-35	NENW	35	18S	16E	Duchesne	10/29/96	10/29/96
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- D - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- N - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENTS section to explain why each Action Code was selected.

1/2/97

*Cheryl Cameron*  
Signature Cheryl Cameron  
Regulatory  
Compliance Spec.  
Title \_\_\_\_\_ Date \_\_\_\_\_

Phone No. (801) 789-1866  
Fax (801) 789-1877

(June 1990)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED

Budget Bureau No. 1004-0135

Expires March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

**SUBMIT IN TRIPLICATE**

## 1. Type of Well

☒ Oil Well☐ Gas well☐ Other

## 2. Name of Operator

**Inland Production Company**

## 3. Address and Telephone No.

**P.O. Box 790233 Vernal, UT 84079 Phone No. (801) 789-1866**

## 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**NW/NW Sec. 34, T8S, R16E  
660' FWL & 660' FNL**

## 5. Lease Designation and Serial No.

**U-62848**

## 6. If Indian, Allottee or Tribe Name

## 7. If unit or CA, Agreement Designation

## 8. Well Name and No.

**Mon. Butte Fed #4-34 I**

## 9. API Well No.

**43-013-31669**

## 10. Field and Pool, or Exploratory Area

**Monument Butte**

## 11. County or Parish, State

**Duchesne, UT**

## 12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

## TYPE OF SUBMISSION

☐

Notice of Intent

☒

Subsequent Report

☐

Final Abandonment Notice

## TYPE OF ACTION

☐

Abandonment

☐

Recompletion

☐

Plugging Back

☐

Casing repair

☐

Altering Casing

☒Other Spud Notification☐

Change of Plans

☐

New Construction

☐

Non-Routine Fracturing

☐

Water Shut-off

☐

Conversion to Injection

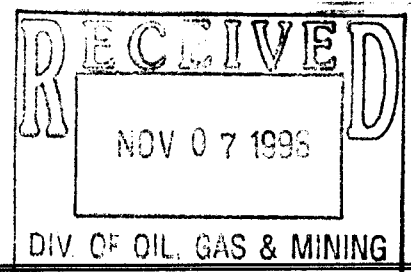
☐

Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

**Drilled 12 1/4" hole to 270' w/ Leon Ross Rathole rig. Finished drlg to 303'. Set 300.57' GL  
of 8 5/8" 24# J-55 csg. Cmt w/ 120 sx prem + w/ 2% CaCl, 2% gel + 1/4#/sk flocele.**

**SPUD 10/16/96**

14. I hereby certify that the foregoing is true and correct

Signed

**Cheryl Cameron**

Title

**Regulatory Compliance Specialist**

Date

**10/21/96**

(This space of Federal or State office use.)

Approved by

Title

Date

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly to make to any department of the United States any false, fictitious or fraudulent statements or representations as

to any matter within its jurisdiction.

**\*See Instruction on Reverse Side**

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

FORM APPROVED

Budgeted Bureau No. 1004-0135

Expires March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well  
☒ Oil Well    ☐ Gas well    ☐ Other

2. Name of Operator

**Inland Production Company**

3. Address and Telephone No.

**P.O. Box 790233 Vernal, UT 84079    Phone No. (801) 789-1866**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**NW/NW Sec. 34, T8S, R16E  
660' FWL & 660' FNL**

5. Lease Designation and Serial No.

**U-62848**

6. If Indian, Allottee or Tribe Name

7. If unit or CA, Agreement Designation

8. Well Name and No.

**Mon. Butte Fed #4-34 I**

9. API Well No.

**43-013-31669**

10. Field and Pool, or Exploratory Area

**Monument Butte**

11. County or Parish, State

**Duchesne, UT****12 CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA****TYPE OF SUBMISSION**☐

Notice of Intent

☒

Subsequent Report

☐

Final Abandonment Notice

**TYPE OF ACTION**☐

Abandonment

☐

Recompletion

☐

Plugging Back

☐

Casing repair

☐

Altering Casing

☒Other Weekly Status☐

Change of Plans

☐

New Construction

☐

Non-Routine Fracturing

☐

Water Shut-off

☐

Conversion to Injection

☐

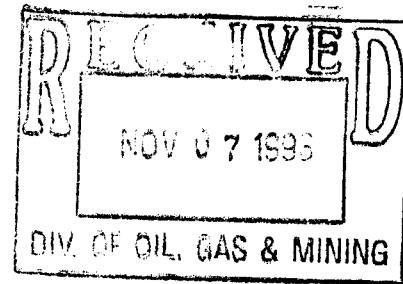
Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directly drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

**WEEKLY STATUS REPORT FOR WEEK OF 10/22/96 - 10/27/96:**

**Drilled 7 7/8" hole from 303'-6160' w/ Caza, Rig #59. Run 6160.09' of 5 1/2" 15.5# J-55 csg. Cmt w/ 380 sx Hybond & 400 sx Thixo w/ 10% Calseal.**

**RDMOL**

14. I hereby certify that the foregoing is true and correct

Signed

**Cheryl Cameron**

Title

**Regulatory Compliance Specialist**

Date

**10/30/96**

(This space of Federal or State office use.)

Approved by

Title

Date

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly to make to any department of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

FORM APPROVED

Budget Bureau No. 1004-0135

Expires March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well



Oil Well



Gas well



Other

2. Name of Operator

**Inland Production Company**

3. Address and Telephone No.

**P.O. Box 790233 Vernal, UT 84079 Phone No. (801) 789-1866**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**NW/NW Sec. 34, T8S, R16E  
660' FWL & 660' FNL**

5. Lease Designation and Serial No.

**U-62848**

6. If Indian, Allottee or Tribe Name

7. If unit or CA, Agreement Designation

8. Well Name and No.

**Mon. Butte Fed #4-34 I**

9. API Well No.

**43-013-31669**

10. Field and Pool, or Exploratory Area

**Monument Butte**

11. County or Parish, State

**Duchesne, UT****12 CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA****TYPE OF SUBMISSION**

Notice of Intent



Subsequent Report



Final Abandonment Notice

**TYPE OF ACTION**

Abandonment



Recompletion



Plugging Back



Casing repair



Altering Casing

Other Weekly Status

Change of Plans



New Construction



Non-Routine Fracturing



Water Shut-off



Conversion to Injection



Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

**WEEKLY STATUS REPORT FOR WEEL OF 11/6/96 - 11/13/96:**

Perf LDC sd @ 5796'-5800'

Perf CP Ssd @ 5924'-5926', 6003'-6004', 6006'-6010', 6014'-6015', 6097'-6100'

Perf A sd @ 5469'-5472', 5491'-5498'

Perf D-2 sd @ 5065'-5067', 5070'-5076', 5078'-5081', 5083'-5088'

14. I hereby certify that the foregoing is true and correct

Signed

**Cheryl Cameron**

Title

**Regulatory Compliance Specialist**

Date

**11/14/96**

(This space of Federal or State office use.)

Approved by

Title

Date

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly to make to any department of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED

Budgeted Bureau No. 1004-0135

Expires March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

**SUBMIT IN TRIPLICATE**

## 1. Type of Well

☒ Oil Well    ☐ Gas well    ☐ Other

## 2. Name of Operator

**Inland Production Company**

## 3. Address and Telephone No.

**P.O. Box 790233 Vernal, UT 84079    Phone No. (801) 789-1866**

## 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**NW/NW Sec. 34, T8S, R16E  
660' FWL & 660' FNL**

## 5. Lease Designation and Serial No.

**U-62848**

## 6. If Indian, Allottee or Tribe Name

## 7. If unit or CA, Agreement Designation

## 8. Well Name and No.

**Mon. Butte Fed #4-34 I**

## 9. API Well No.

**43-013-31669**

## 10. Field and Pool, or Exploratory Area

**Monument Butte**

## 11. County or Parish, State

**Duchesne, UT**

## 12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

## TYPE OF SUBMISSION

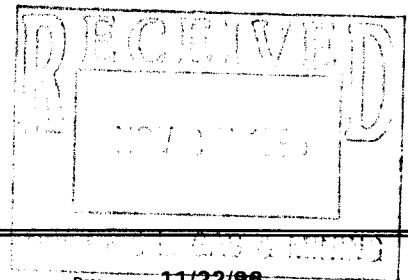
- ☐ Notice of Intent
- ☒ Subsequent Report
- ☐ Final Abandonment Notice

## TYPE OF ACTION

- ☐ Abandonment
- ☐ Recompletion
- ☐ Plugging Back
- ☐ Casing repair
- ☐ Altering Casing
- ☒ Other Weekly Status
- ☐ Change of Plans
- ☐ New Construction
- ☐ Non-Routine Fracturing
- ☐ Water Shut-off
- ☐ Conversion to Injection
- ☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

## 13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directly drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

**WEEKLY STATUS REPORT FOR WEEL OF 11/14/96 - 11/16/96:****RIH w/ production string****ON PRODUCTION 11/16/96**

## 14. I hereby certify that the foregoing is true and correct

Signed

**Cheryl Cameron**

Title

**Regulatory Compliance Specialist**

Date

**11/22/96**

(This space of Federal or State office use.)

Approved by

Title

Date

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly to make to any department of the United States any false, fictitious or fraudulent statements or representations as

to any matter within its jurisdiction.

**\*See Instruction on Reverse Side**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPL.

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 1004-0137  
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other \_\_\_\_\_  
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other \_\_\_\_\_

2. NAME OF OPERATOR

Inland Production Company

3. ADDRESS OF OPERATOR

P.O. Box 790233 Vernal UT 84079 (801) 789-1866

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

At surface

NW/NW

At top prod. interval reported below

660' FNL & 660' FWL

At total depth

14. PERMIT NO.

DATE ISSUED

43-013-31669

10/15/96

15. DATE SPURRED

16. DATE T.D. REACHED

17. DATE COMPL. (Ready to prod.)

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*

19. ELEV. CASINGHEAD

10/16/96

10/26/96

11/16/96

5616.2' GR

--

20. TOTAL DEPTH, MD & TVD

21. PLUG. BACK T.D., MD & TVD

22. IF MULTIPLE COMPL., HOW MANY\*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

6160'

6115'

→

X

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*

Green River

5796'-5800', 5924'-5926', 6003'-6004', 6006'-6010', 6014'-6015', 6097'-6100',  
5469'-5472', 5491'-5498', 5065'-5067', 5070'-5076', 5078'-5081', 5083'-5088'

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

27. WAS WELL CORED

No

CBL, DLI, CNI 12-13-96

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8	24#	300.57 GL	12 1/4	120 sx prem + w/ 2% CaCl <sub>2</sub> sk flocele	2% gel + 1/4#
5 1/2	15.5#	6172.89'	7 7/8	380 sx Hybond & 400 sx Thixo w/ 10% Calseal	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

LDC 5796'-5800' CP 5924'-5926', 6003'-6004', 6006'-6010', 6014'-6015', 6097'-6100'

A 5469'-5472', 5491'-5498'

D-2 5065'-5067', 5070'-5076', 5078'-5081'

33. 5083'-5088'

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
See back	

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
11/16/96		Pumping - 2½" X 1½" X 15' RHAC pump				producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
10 day avg	11/96	N/A	→	98	79	12	.806
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.		OIL GRAVITY-API (CORR.)
		→		RECEIVED			

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold & Used for Fuel

35. LIST OF ATTACHMENTS

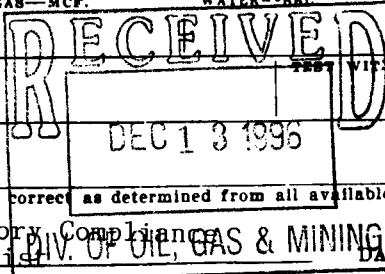
Logs in Item #26

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Cheryl Cameron

TITLE Specialist



DATE 12/6/96

\*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Garden Gulch Mkr	4317'		#32. Perf LDC sd 5796'-5800' CP sd 5924'-5926', 6003'-6004', 6006'-6010', 6014'-6015', 6097'-6100' Frac w/ 127,500# 20/40 sd in 748 bbls boragel  Perf A sd 5469'-5472', 5491'-5498' Frac w/ 95,000# 20/40 sd in 542 bbls boragel  Perf D-2 sd 5065'-5067', 5070'-5076', 5078'-5081', 5083'-5088', Frac w/ 94,800# 20/40 sd in 507 bbsl boragel			
Point 3 Mkr	4588'					
X Mkr	4840'					
Y Mkr	4874'					
Douglas Ck Mkr	4994'					
Bicarbonate Mkr	5239'					
B Limestone Mkr	5363'					
Castle Peak	5910'					
Basal Carbonate	NDE					

## MONTHLY OIL AND GAS PRODUCTION REPORT

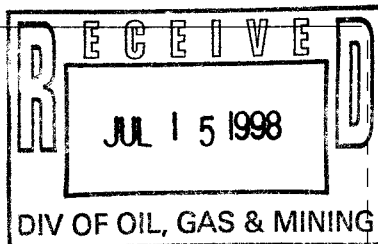
Operator name and address

INLAND PRODUCTION COMPANY

P.O. BOX 1446

ROOSEVELT

UT 84066



Utah Account No: N5160

Report Period (Month/Year) 04/98

Amended Report | | (Highlight Changes)

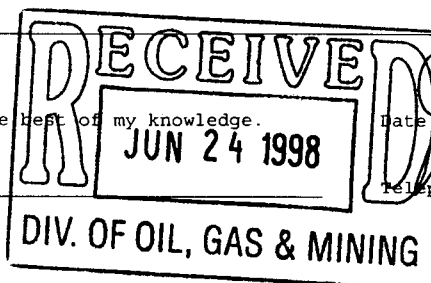
Well Name	Entity	Location	Producing Zone	Well Status	Days Oper	Production Volume		
API Number						OIL (BBL)	GAS (MSCF)	WATER (BBL)
11-22 MONUMENT FEDERAL								
4301331647	11986	22 9S 16E	GRRV	POW	30	111	810	0
31-5 MONUMENT FEDERAL								
4301331680	11987	5 9S 17E	GRRV	POW	31 36	0	53	0
6-20 BOUNDARY FEDERAL								
4301331626	11991	20 8S 17E	GRRV	POW	7	29	195	282
10-24R ASHLEY FEDERAL								
4301315781	11992	24 9S 15E	GRRV	POW	30	196	330	0
12-24R ASHLEY FEDERAL								
4301315782	11993	24 9S 15E	GRRV	POW	30	144	923	0
24-17 MONUMENT FEDERAL								
4301331682	11994	17 9S 16E	GRRV	SOW	0	0	0	0
10-2 MONUMENT BUTTE STATE								
4301331565	12013	2 9S 16E	GRRV	POW	30	566	849	0
23-7 MONUMENT FEDERAL								
4301331694	12019	7 9S 16E	GRRV	POW	30	443	859	0
33-22 MONUMENT FEDERAL								
4301331588	12024	22 8S 17E	GRRV	POW	15	106	195	0
7-21 BOUNDARY FEDERAL								
4301331640	12025	21 8S 17E	GRRV	POW	30	234	1630	40
4-34I MONUMENT BUTTE FEDERAL								
4301331669	12027	34 8S 16E	GRRV	POW	28	143	2332	0
23-22Y MONUMENT FEDERAL								
4301331702	12031	22 8S 17E	GRRV	POW	12	43	156	0
41-6Y MONUMENT FEDERAL								
4301331718	12043	6 9S 16E	GRRV	POW	30	153	1183	55
TOTAL						2168	9515	377

Comments:

I hereby certify that this report is true and complete to the best of my knowledge.

Name &amp; Signature:

(6/93)



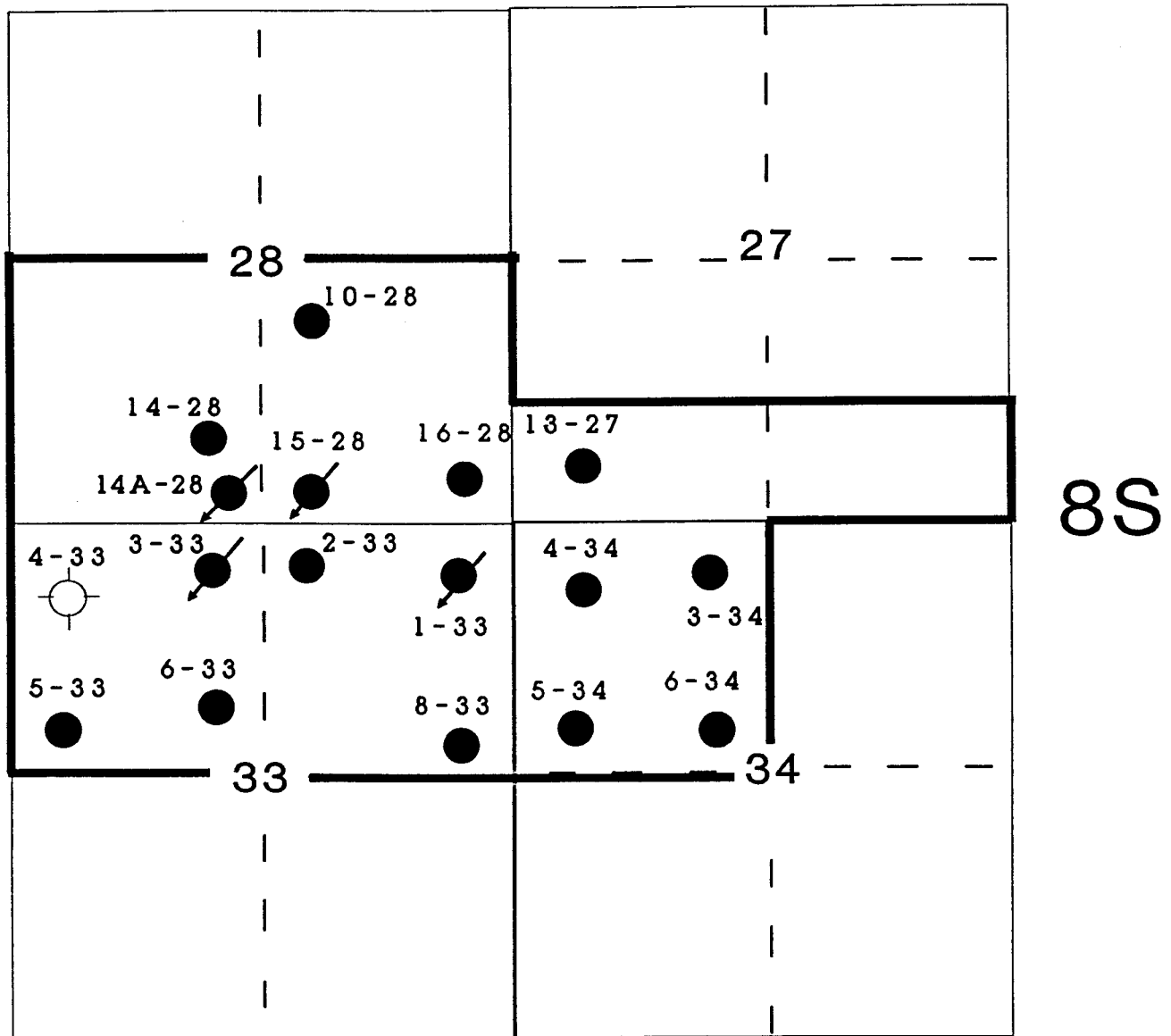
Date:

June 16, 1998  
Telephone: (435)-722-5103

# TRAVIS UNIT

## Duchesne County, Utah

EFFECTIVE: DECEMBER 1, 1991



16E

UNIT OUTLINE (UTU68528A)  
AS EXPANDED OCTOBER 1, 1997

960.00 ACRES

SECONDARY  
ALLOCATION  
FEDERAL 100.00%

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

**U-62848**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**TRAVIS**

8. Well Name and No.

**MONUMENT BUTTE FEDERAL 4-34 (I)**

9. API Well No.

**43-013-31669**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UTAH**

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

**475 17TH STREET, SUITE 1500, DENVER, COLORADO 80202 (303) 292-0900**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

**0660 FNL 0660 FWL NW/NW Section 34, T08S R16E**

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

**TYPE OF SUBMISSION**

☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

**TYPE OF ACTION**

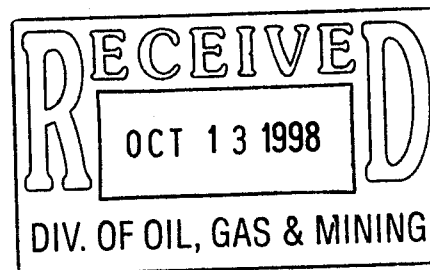
☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Site Security

☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Attached please find the site security diagram for the above referenced well.



14. I hereby certify that the foregoing is true and correct

Signed

*Lebbie E. Knight*

Title

Manager, Regulatory Compliance

Date

10/7/98

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

**CC: UTAH DOGM**

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

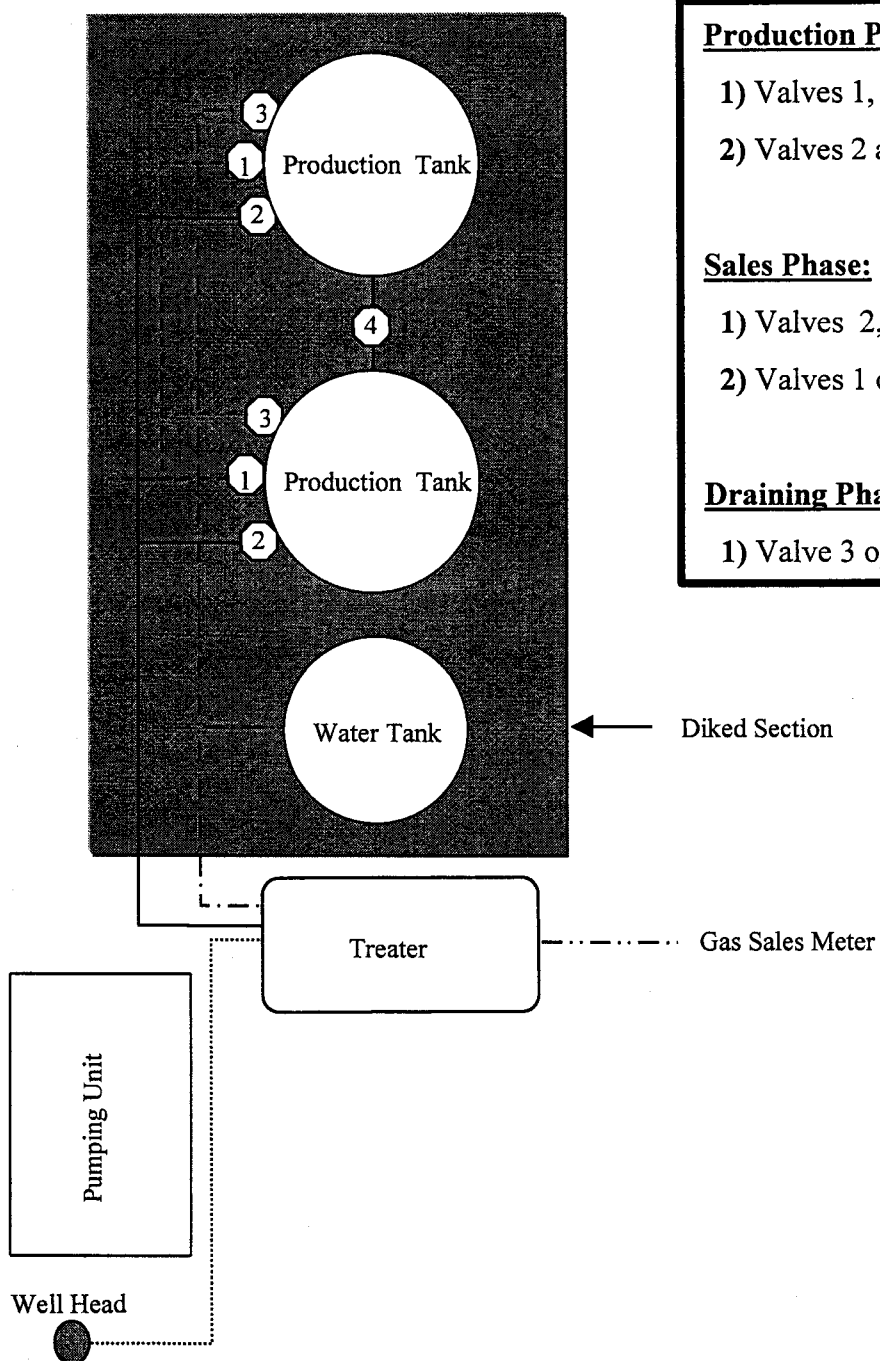
# Inland Production Company Site Facility Diagram

Monument Butte 4-34I  
NW/NW Sec. 34, T8S, 16E

Duchesne County

Sept. 17, 1998

Site Security Plan is held at the Roosevelt Office, Roosevelt Utah



## Production Phase:

- 1) Valves 1, and 3 sealed closed
- 2) Valves 2 and 4 sealed open

## Sales Phase:

- 1) Valves 2, 3, and 4 sealed closed
- 2) Valves 1 open

## Draining Phase:

- 1) Valve 3 open

## Legend

Emulsion Line	.....
Load Line	-----
Water Line	- . - . - .
Oil Line	—————
Gas Sales	- . - . - .



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

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Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

**U-62848**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or C.A. Agreement Designation

8. Well Name and No.

**MBF 4-34(1)-8-16**

9. API Well No.

**43-013-31669**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UTA**

**SUBMIT IN TRIPLICATE**

1. Type of Well



Oil  
Well



Gas  
Well



Other

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

**Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

**660' FWL & 660' FNL NW/NW Section 34, T8S, R16Eh**

12. **CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

**TYPE OF SUBMISSION**



Notice of Intent



Subsequent Report



Final Abandonment Notice

**TYPE OF ACTION**



Abandonment



Recompletion



Plugging Back



Casing Repair



Altering Casing



Other **Status Report**



Change of Plans



New Construction



Non-Routine Fracturing



Water Shut-Off



Conversion to Injection



Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details and give pertinent dates including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Status report for time period 7/1/01 through 7/8/01

Subject well had re-completion procedures initiated in the Green River formation on 7/2/01. One new interval was perforated @ 4529 4552' W/ 4 JSPF. Interval was hydraulically fracture treated W/ 97,320# 20/40 sand in 536 bbls Viking I-25 fluid. New interval was swab tested to clean up sand. Bridge plug was removed from wellbore. Production equipment was ran back in well. Well resumed producing W/ rod pump on 7/7/01.

**RECEIVED**

**JUL 10 2001**

**DIVISION OF  
OIL, GAS AND MINING**

14. I hereby certify that the foregoing is true and correct

Signed

*Gary Dietz*  
Gary Dietz

Title

**Completion Foreman**

Date

**09-Jul-01**

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

CC: Utah DOGM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

ARTICLES OF AMENDMENT  
TO THE  
ARTICLES OF INCORPORATION  
OF  
INLAND PRODUCTION COMPANY

FILED  
In the Office of the  
Secretary of State of Texas  
SEP 02 2004  
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1<sup>st</sup> day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs  
Susan G. Riggs, Treasurer

UTSL-	15855	61052	73088	76561	
071572A	16535	62848	73089	76787	
065914	16539	63073B	73520A	76808	
	16544	63073D	74108	76813	
	17036	63073E	74805	76954	63073X
	17424	63073O	74806	76956	63098A
	18048	64917	74807	77233	68528A
UTU-	18399	64379	74808	77234	72086A
	19267	64380	74389	77235	72613A
02458	26026A	64381	74390	77337	73520X
03563	30096	64805	74391	77338	74477X
03563A	30103	64806	74392	77339	75023X
04493	31260	64917	74393	77357	76189X
05843	33992	65207	74398	77359	76331X
07978	34173	65210	74399	77365	76788X
09803	34346	65635	74400	77369	77098X
017439B	36442	65967	74404	77370	77107X
017985	36846	65969	74405	77546	77236X
017991	38411	65970	74406	77553	77376X
017992	38428	66184	74411	77554	78560X
018073	38429	66185	74805	78022	79485X
019222	38431	66191	74806	79013	79641X
020252	39713	67168	74826	79014	80207X
020252A	39714	67170	74827	79015	81307X
020254	40026	67208	74835	79016	
020255	40652	67549	74868	79017	
020309D	40894	67586	74869	79831	
022684A	41377	67845	74870	79832	
027345	44210	68105	74872	79833	
034217A	44426	68548	74970	79831	
035521	44430	68618	75036	79834	
035521A	45431	69060	75037	80450	
038797	47171	69061	75038	80915	
058149	49092	69744	75039	81000	
063597A	49430	70821	75075		
075174	49950	72103	75078		
096547	50376	72104	75089		
096550	50385	72105	75090		
	50376	72106	75234		
	50750	72107	75238		
10760	51081	72108	76239		
11385	52013	73086	76240		
13905	52018	73087	76241		
15392	58546	73807	76560		



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, UT 84145-0155

<http://www.blm.gov>



IN REPLY REFER TO:

3106

(UT-924)

September 16, 2004

### Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael Coulthard  
Acting Chief, Branch of  
Fluid Minerals

### Enclosure

1. State of Texas Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225  
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114  
Teresa Thompson  
Joe Incardine  
Connie Seare



## Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company  
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

## OPERATOR CHANGE WORKSHEET

## ROUTING

1. GLH

2. CDW

3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

**X Operator Name Change****Merger**

The operator of the well(s) listed below has changed, effective:

**9/1/2004****FROM: (Old Operator):**

N5160-Inland Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

**TO: (New Operator):**

N2695-Newfield Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

**CA No.****Unit:****TRAVIS****WELL(S)**

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS	
MON BUTTE FED 13-27	27	080S	160E	4301331611	10628	Federal	WI	A	
MONUMENT BUTTE FED 15-27-8-16	27	080S	160E	4301331786	10628	Federal	OW	DRL	
MONUMENT BUTTE FED 16-27	27	080S	160E	4301331899	10628	Federal	OW	P	
FEDERAL 15-28	28	080S	160E	4301330779	10628	Federal	WI	A	
FEDERAL 14-28	28	080S	160E	4301330792	10628	Federal	OW	S	
WEST MONUMENT 10-28	28	080S	160E	4301330856	10628	Federal	OW	S	
FEDERAL 14A-28	28	080S	160E	4301331372	10628	Federal	WI	A	
TRAVIS FEDERAL 16-28	28	080S	160E	4301331590	10628	Federal	OW	P	
TRAVIS FED 9-28	28	080S	160E	4301331941	10628	Federal	WI	A	
TRAVIS 11-28-8-16	28	080S	160E	4301332333		Federal	OW	LA	K
TRAVIS 12-28-8-16	28	080S	160E	4301332334		Federal	OW	LA	K
TRAVIS 13-28-8-16	28	080S	160E	4301332335		Federal	OW	LA	K
FEDERAL 3-33	33	080S	160E	4301330693	10628	Federal	WI	A	
FEDERAL 6-33	33	080S	160E	4301330747	10628	Federal	OW	P	
FEDERAL 2-33	33	080S	160E	4301330749	10628	Federal	OW	P	
TRAVIS FED 5-33	33	080S	160E	4301331435	10628	Federal	WI	A	
TRAVIS FEDERAL 8-33	33	080S	160E	4301331503	10628	Federal	OW	P	
TRAVIS FED 1-33	33	080S	160E	4301331603	10628	Federal	WI	A	
MON FED 5-34	34	080S	160E	4301331499	10628	Federal	WI	A	
MONUMENT BUTTE FED 6-34	34	080S	160E	4301331504	10628	Federal	OW	P	
MON BUTTE FED 3-34	34	080S	160E	4301331518	10628	Federal	WI	A	
MONUMENT BUTTE FED 4-34 (I)	34	080S	160E	4301331669	10628	Federal	OW	P	

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/20042. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/20043. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/20054. Is the new operator registered in the State of Utah: YES Business Number: 755627-01435. If **NO**, the operator was contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE  
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

**DATA ENTRY:**

1. Changes entered in the Oil and Gas Database on: 2/28/2005  
2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 2/28/2005  
3. Bond information entered in RBDMS on: 2/28/2005  
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005  
5. Injection Projects to new operator in RBDMS on: 2/28/2005  
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: UT 0056

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: 61BSBDH2912

**FEE & STATE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The NEW operator of any fee well(s) listed covered by Bond Number 61BSBDH2919

2. The FORMER operator has requested a release of liability from their bond on: n/a\*  
The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The FORMER operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

**COMMENTS:**

\*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05



December 7, 2010

Mr. Dan Jarvis  
State of Utah  
Division of Oil, Gas and Mining  
Post Office Box 145801  
Salt Lake City, Utah 84114-5801

RE: Permit Application for Water Injection Well  
Monument Butte Federal #4-34I-8-16  
Monument Butte Field, Lease #UTU-62848  
Section 34-Township 8S-Range 16E  
Duchesne County, Utah

Dear Mr. Jarvis:

Newfield Production Company herein requests approval to convert the Monument Butte Federal #4-34I-8-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field.

I hope you find this application complete; however, if you have any questions or require additional information, please contact me at (303) 893-0102.

Sincerely,

A handwritten signature in black ink, appearing to read "Eric Sundberg". The signature is fluid and cursive, with a long horizontal line extending to the right.

Eric Sundberg  
Regulatory Lead

**RECEIVED**  
DEC 08 2010  
DIV. OF OIL, GAS & MINING



**NEWFIELD PRODUCTION COMPANY**  
**APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL**  
**MONUMENT BUTTE FEDERAL #4-34I-8-16**  
**MONUMENT BUTTE FIELD (GREEN RIVER) FIELD**  
**LEASE #UTU-62848**  
**DECEMBER 7, 2010**

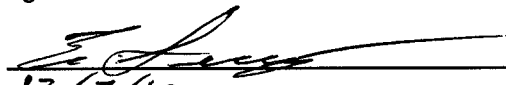
## TABLE OF CONTENTS

LETTER OF INTENT	
COVER PAGE	
TABLE OF CONTENTS	
UIC FORM 1 – APPLICATION FOR INJECTION WELL	
WELLBORE DIAGRAM OF PROPOSED INJECTION	
WORK PROCEDURE FOR INJECTION CONVERSION	
COMPLETED RULE R615-5-1 QUESTIONNAIRE	
COMPLETED RULE R615-5-2 QUESTIONNAIRE	
ATTACHMENT A	ONE-HALF MILE RADIUS MAP
ATTACHMENT A-1	WELL LOCATION PLAT
ATTACHMENT B	LIST OF SURFACE OWNERS WITHIN ONE-HALF MILE RADIUS
ATTACHMENT C	CERTIFICATION FOR SURFACE OWNER NOTIFICATION
ATTACHMENT E	WELLBORE DIAGRAM – MONUMENT BUTTE FEDERAL #4-34I-8-16
ATTACHMENT E-1	WELLBORE DIAGRAM – MONUMENT BUTTE FEDERAL #13-27-8-16
ATTACHMENT E-2	WELLBORE DIAGRAM – MONUMENT BUTTE FEDERAL #3-34-8-16
ATTACHMENT E-3	WELLBORE DIAGRAM – MONUMENT BUTTE FEDERAL #6-34-8-16
ATTACHMENT E-4	WELLBORE DIAGRAM – MONUMENT BUTTE FEDERAL #5-34-8-16
ATTACHMENT E-5	WELLBORE DIAGRAM – MONUMENT BUTTE #2-34-8-16
ATTACHMENT E-6	WELLBORE DIAGRAM – FEDERAL #13-34B-8-16
ATTACHMENT E-7	WELLBORE DIAGRAM – TRAVIS FEDERAL #16-28-8-16
ATTACHMENT E-8	WELLBORE DIAGRAM – TRAVIS FEDERAL #1-33-8-16
ATTACHMENT E-9	WELLBORE DIAGRAM – TRAVIS FEDERAL #8-33-8-16
ATTACHMENT E-10	WELLBORE DIAGRAM – TRAVIS FEDERAL #J-33-8-16
ATTACHMENT E-11	WELLBORE DIAGRAM – TRAVIS FEDERAL #G-34-8-16
ATTACHMENT F	WATER ANALYSIS
ATTACHMENT G	FRACTURE GRADIENT CALCULATIONS
ATTACHMENT G-1	FRACTURE REPORTS DATED 11/7/96 – 11/17/96 & 7/3/01 – 7/8/01
ATTACHMENT H	WORK PROCEDURE FOR PROPOSED PLUG AND ABANDON
ATTACHMENT H-1	WELLBORE DIAGRAM OF PROPOSED PLUGGED WELL

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR INJECTION WELL - UIC FORM 1

OPERATOR Newfield Production Company  
ADDRESS 1001 17th Street, Suite 2000  
Denver, Colorado 80202

Well Name and number: <u>Monument Butte Federal #4-341-8-16</u>	
Field or Unit name: <u>Monument Butte (Green River)</u>	Lease No. <u>UTU-62848</u>
Well Location: QQ <u>NWNW</u> section <u>34</u> township <u>8S</u> range <u>16E</u> county <u>Duchesne</u>	
Is this application for expansion of an existing project? ..... Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Will the proposed well be used for:	
Enhanced Recovery? ..... Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Disposal? ..... Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Storage? ..... Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Is this application for a new well to be drilled? ..... Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
If this application is for an existing well,	
has a casing test been performed on the well? ..... Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Date of test: _____	
API number: <u>43-013-31669</u>	
Proposed injection interval: from <u>4317</u> to <u>6119</u>	
Proposed maximum injection: rate <u>500 bpd</u> pressure <u>2048</u> psig	
Proposed injection zone contains [x] oil, [ ] gas, and/or [ ] fresh water within 1/2 mile of the well.	
<div style="border: 1px solid black; padding: 5px; text-align: center;">IMPORTANT: Additional information as required by R615-5-2 should accompany this form.</div>	
List of Attachments: <u>Attachments "A" through "H-1"</u>	
I certify that this report is true and complete to the best of my knowledge.	
Name: <u>Eric Sundberg</u>	Signature <u></u>
Title: <u>Regulatory Lead</u>	Date: <u>12/7/10</u>
Phone No. <u>(303) 893-0102</u>	
(State use only)	
Application approved by _____	Title _____
Approval Date _____	

Comments:

# Monument Butte Federal #4-34-8-16

Spud Date: 10/22/96  
Put on Production: 11/16/96  
GL: 5616' KB: 5629'

Initial Production: 98 BOPD,  
79 MCFPD, 12 BWPD

## SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 301.17' (10 jts.)  
DEPTH LANDED: 300.57' GL  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 120 sxs Premium cmt, est 6 bbls to surf.

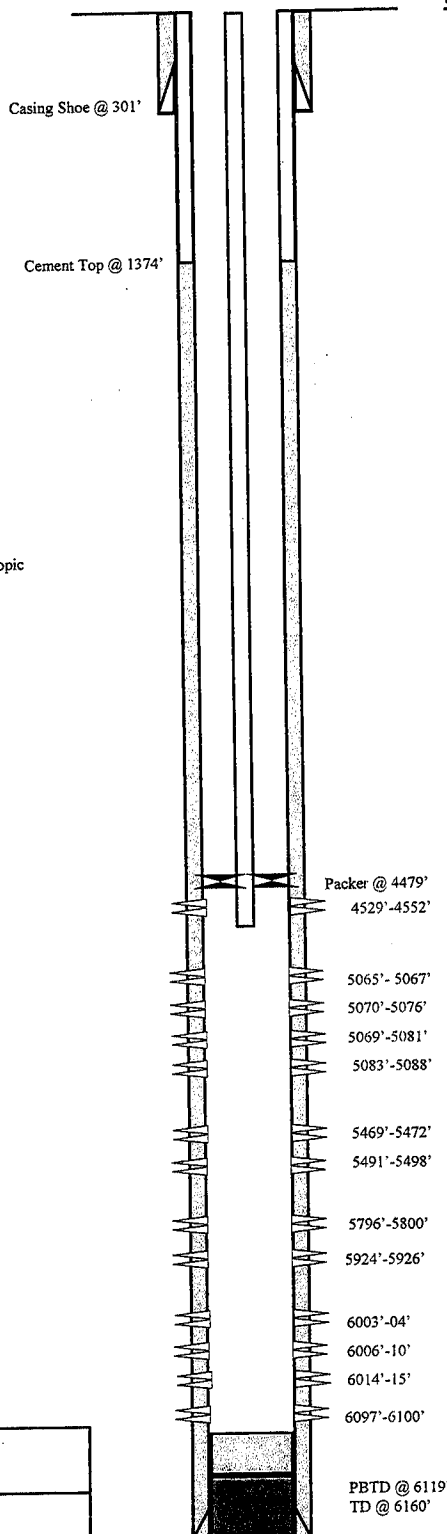
## PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 146 jts. (6172.89')  
DEPTH LANDED: 6160.09'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 380 sk Hibond mixed & 400 sxs thixotropic  
CEMENT TOP AT: 1374' per CBL

## TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 tbg  
NO. OF JOINTS: 191 jts (5937.63')  
TUBING ANCHOR: 5950.63'  
NO. OF JOINTS: 1 (30.02')  
SEATING NIPPLE: 2-7/8" (1.11')  
SN LANDED AT: 5983.49'  
NO. OF JOINTS: 1 (28.50')  
TOTAL STRING LENGTH: EOT @ 6013.80'

## Proposed Injection Wellbore Diagram



## FRAC JOB

11/7/96 5796'-6100' Frac LODC, CP-2 & CP-3 sand as follows:  
127,500# of 20/40 sand in 748 bbls of Boragel. Breakdown @ 3750 psi. Treated @ avg rate of 36 bpm w/avg press of 2200 psi. ISIP-2086, 5-min 1997 psi. Flowback on 12/64" ck for 6 hours and died.

11/11/96 5469'-5498' Frac A-3 sand as follows:  
95,000# of 20/40 sand in 542 bbls of Boragel. Breakdown @ 3024 psi. Treated @ avg rate of 22.2 bpm w/avg press of 1800 psi. ISIP 2352 psi, 5-min 2255 psi. Flowback on 12/64" ck for 4 hours and died.

11/13/96 5065'-5088' Frac D-2 sand as follows:  
94,800# of 20/40 sand in 507 bbls of Boragel. Breakdown @ 2209 psi. Treated @ avg rate of 23 bpm w/avg press of 1750 psi. ISIP-2713 psi, 5-min 2591 psi. Flowback on 12/64" ck for 5-1/2 hours and died.

7/3/01 4529'-4552' Frac GB-6 sand as follows:  
97,320# of 20/40 sand in 536 bbls of Viking 1-25 fluid. Treated @ avg rate of 27.5 bpm w/avg press of 2130 psi. ISIP-2480 psi. Flow back on 12/64" ck.

8/21/07 Pump change. Updted rod & tubing details.

## PERFORATION RECORD

11/7/96	5796'-5800'	4 JSPF	16 holes
11/7/96	5924'-5926'	4 JSPF	8 holes
11/7/96	6003'-6004'	4 JSPF	4 holes
11/7/96	6006'-6010'	4 JSPF	16 holes
11/7/96	6014'-6015'	4 JSPF	4 holes
11/7/96	6097'-6100'	4 JSPF	12 holes
11/9/96	5469'-5472'	4 JSPF	12 holes
11/9/96	5491'-5498'	4 JSPF	28 holes
11/12/96	5065'-5067'	4 JSPF	8 holes
11/12/96	5070'-5076'	4 JSPF	24 holes
11/12/96	5078'-5081'	4 JSPF	12 holes
11/12/96	5083'-5088'	4 JSPF	20 holes
7/3/01	4529'-4552'	4 JSPF	92 holes

**NEWFIELD**

**Monument Butte Federal #4-34**

660 FWL & 660 FNL

NWNW Section 34-T8S-R16E

Duchesne Co, Utah

API #43-013-31669; Lease #UTU-62848

JL 8/19/10

## **WORK PROCEDURE FOR INJECTION CONVERSION**

1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.
2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.
3. Test casing and packer.
4. Rig down and move out.

**REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS  
RULE R615-5-1**

- 1. Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.**
- 2. A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:**

**2.1 The name and address of the operator of the project.**

Newfield Production Company  
1001 17<sup>th</sup> Street, Suite 2000  
Denver, Colorado 80202

**2.2 A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.**

See Attachment A.

**2.3 A full description of the particular operation for approval is requested.**

Approval is requested to convert the Monument Butte Federal #4-34I-8-16 from a producing oil well to a water injection well in Monument Butte (Green River) Field.

**2.4 A description of the pools from which the identified wells are producing or have produced.**

The proposed injection well will inject into the Green River Formation.

**2.5 The names, description and depth of the pool or pools to be affected.**

The injection zone is in the Green River Formation. For the Monument Butte Federal #4-34I-8-16 well, the proposed injection zone is from Garden Gulch to Castle Peak (4317' - 6119'). The confining strata directly above and below the injection zones are the Garden Gulch and the top of the Wasatch Formation or TD, whichever is shallower. The Garden Gulch Marker top is at 3984' and the TD is at 6160'.

**2.6 A copy of a log of a representative well completed in the pool.**

The referenced log for the Monument Butte Federal #4-34I-8-16 is on file with the Utah Division of Oil, Gas and Mining.

- 2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

- 2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.**

See Attachment B.

- 2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.**

See Attachment C.

- 2.10 Any additional information the Board may determine is necessary to adequately review the petition.**

Newfield Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

- 4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.**

This proposed injection well is on a Federal lease (Lease #UTU-62848) in the Monument Butte Federal (Green River) Field, and this request is for administrative approval.

**REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL,  
STORAGE AND ENHANCED RECOVERY WELLS  
SECTION V – RULE R615-5-2**

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.**
- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**

- 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.**

See Attachments A and B.

- 2.2 Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.**

All logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.**

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.

- 2.4 Copies of logs already on file with the Division should be referenced, but need not be refiled.**

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.**

The casing program is 8-5/8", 24# surface casing run to 301' KB, and 5-1/2", 15.5# casing run from surface to 6160' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.

- 2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.

- 2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.**

See Attachment F.



**The proposed average and maximum injection pressures.**

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 2048 psig.

- 2.8 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.**

The minimum fracture gradient for the Monument Butte Federal #4-34I-8-16, for existing perforations (4529' - 6100') calculates at 0.79 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 2048 psig. We may add additional perforations between 3984' and 6160'. See Attachments G and G-1.

- 2.9 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.**

In the Monument Butte Federal #4-34I-8-16, the proposed injection zone (4317' - 6119') is in the Garden Gulch to the Castle Peak of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Federal Field. Outside the Monument Butte Federal Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

- 2.10 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.**

See Attachments E through E-11.

Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

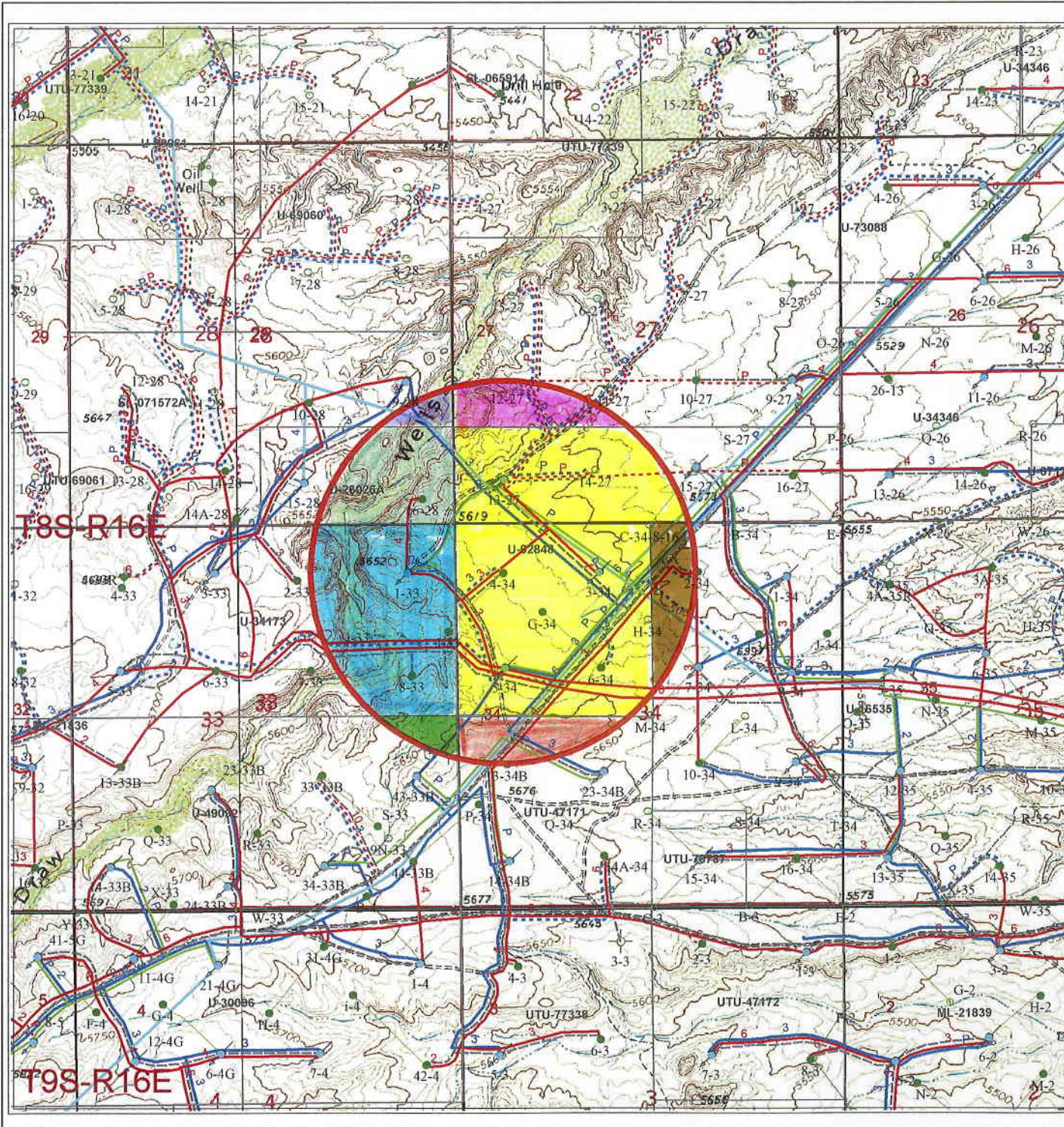
- 2.11 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.**

See Attachment C.

- 2.12 Any other information that the Board or Division may determine is necessary to adequately review the application.**

Newfield Production Company will supply any requested information to the Board or Division.





- 4-34-8-16 1/2 mile radius**
- Well Status**
- Location
  - ⊙ CTI
  - ⊙ Surface Spud
  - ⊙ Drilling
  - ⊙ Waiting on Completion
  - Producing Oil Well
  - ⊙ Producing Gas Well
  - ⊙ Water Injection Well
  - ⊙ Dry Hole
  - ⊙ Temporarily Abandoned
  - ⊙ Plugged & Abandoned
  - ⊙ Shut In
- Countyline**
- Injection system**
- high pressure
  - low pressure
  - proposed
  - return
  - return proposed
- Leases**
- Mining tracts**
- Gas Pipelines**
- Gathering lines
  - Proposed lines

UTU-  
62848

UTU-  
34173

UTU-  
026026A

UTU-  
73088

UTU-  
47171

UTU-  
16535

UTU-  
49092

SL-  
071572A

Monument Butte Fed 4-34 (I)  
Section 34, T8S-R16E



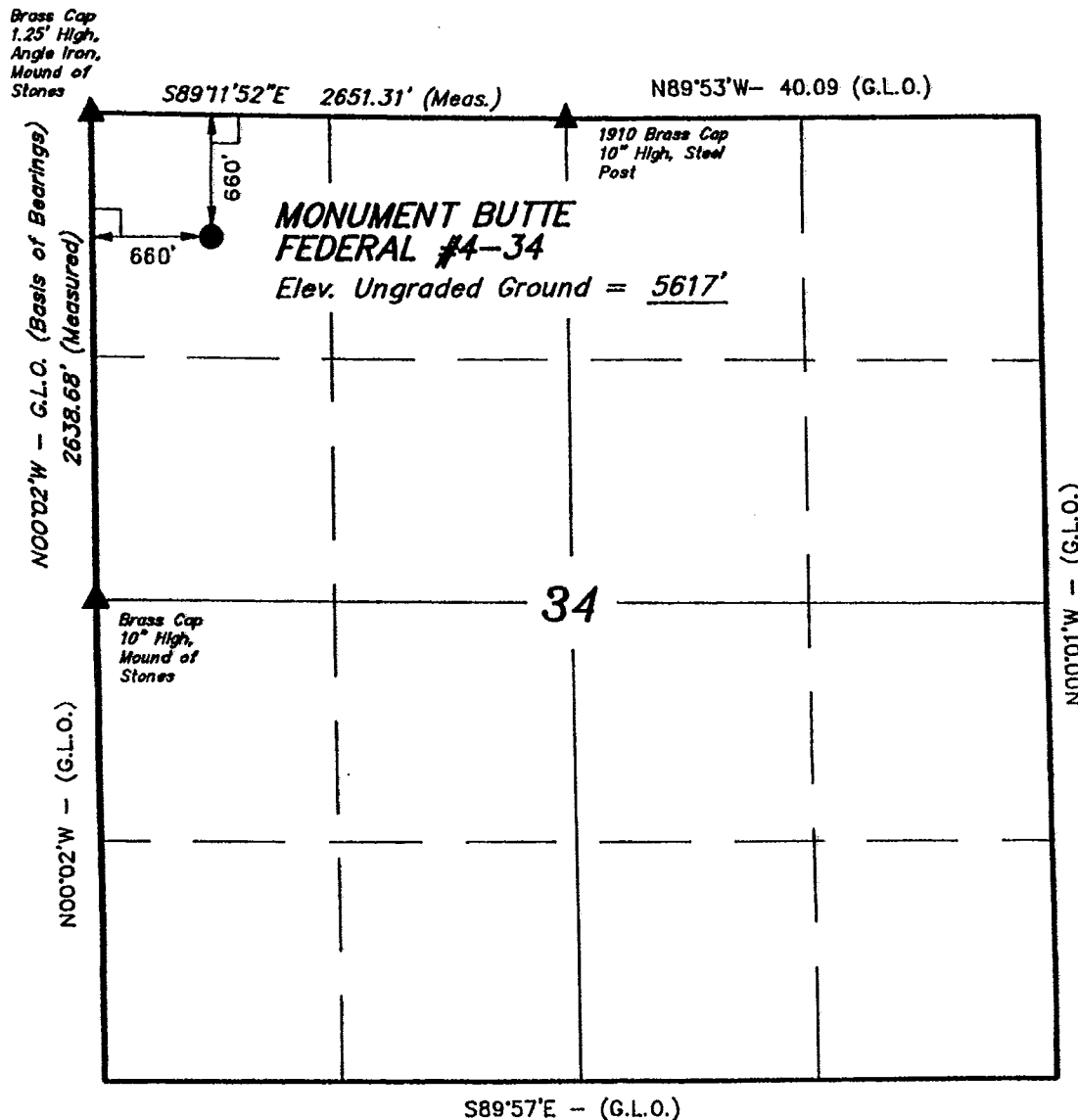
1/2 Mile Radius Map  
Duchesne & Uintah Counties

1001 17th Street Suite 2000  
Denver, Colorado 80202  
Phone: (303) 893-0102

June 21, 2010



**T8S, R16E, S.L.B.&M.**



**LEGEND:**

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

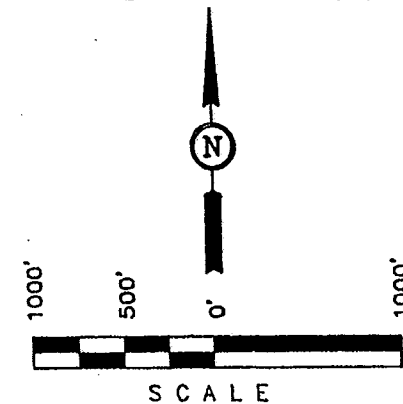
**INLAND PRODUCTION CO.**

Well location, MONUMENT BUTTE FEDERAL #4-34, located as shown in the NW 1/4 NW 1/4 of Section 34, T8S, R16E, S.L.B.&M. Duchesne County, Utah.

**BASIS OF ELEVATION**

SPOT ELEVATION AT THE NORTHWEST CORNER OF SECTION 34, T8S, R16E, S.L.B.&M. TAKEN FROM THE MYTON SE QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5619 FEET.

**ATTACHMENT A-1**



**CERTIFICATE**

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

*Robert L. Kay*  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 161319  
 STATE OF UTAH

**UINTAH ENGINEERING & LAND SURVEYING**  
 85 SOUTH 200 EAST - VERNAL, UTAH 84078  
 (801) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 4-24-96	DATE DRAWN: 4-25-96
PARTY D.A. G.C. D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE INLAND PRODUCTION CO	

## EXHIBIT B

#	Legal Description	Lessor & Expiration	Lessee & Operating Rights	Surface Owner
1	<u>Township 8 South, Range 16 East SLM</u> Section 27: S2S2 Section 34: NW	USA UTU-62848 HBP	James Fischgrund Newfield Production Company Beverly Fischgrund Jack H. Edwards Inc. Thomas Ingle Jackson King Oil & Gas of Texas, Ltd. Raymond H. Brennan	USA
2	<u>Township 8 South, Range 16 East SLM</u> Section 33: N2	USA UTU-34173 HBP	Newfield Production Company Newfield RMI LLC	USA
3	<u>Township 8 South, Range 16 East SLM</u> Section 28: S2SE	USA UTU-26026A HBP	Newfield Production Company Newfield RMI LLC Loex Properties 1983 Travis Oil Comapany WAR-GAL LLC	USA
4	<u>Township 8 South, Range 16 East SLM</u> Section 22: SE Section 23: SW Section 26: N2 Section 27: NE, S2NW, N2S2	USA UTU-73088 HBP	Newfield Production Company Newfield RMI LLC	USA
5	<u>Township 8 South, Range 16 East SLM</u> Section 34: SW	USA UTU-47171 HBP	Newfield Production Company Newfield RMI LLC Loex Properties 1984 Chorney Oil Company	USA

**EXHIBIT B**

#	Legal Description	Lessor & Expiration	Lessee & Operating Rights	Surface Owner
6	<u>Township 8 South, Range 16 East SLM</u> Section 34: NE, N2SE, SESE Section 35: All	USA UTU-16535 HBP	Newfield Production Company Newfield RMI LLC AGK Energy LLC Marian Brennan Raymond H Brennan Chorney Oil Company Estate of Raymond Chorney Codrington O&G Inc. COG Partnership Davis Bros. Davis Resources Deer Valley Ltd. James Fischgrund Beverly Fischgrund Green River O & G Partnership International Drilling, Inc. Thomas Ingle Jackson Jack J. Rawitscher Turnkey Pipeline Co. Whitehall Energy Corp.	USA
7	<u>Township 8 South, Range 16 East SLM</u> Section 33: S2	USA UTU-49092 HBP	Newfield Production Company Newfield RMI LLC	USA
8	<u>Township 8 South, Range 16 East SLM</u> Section 28: SW, N2SE	USA SL-071572A HBP	Newfield Production Company Newfield RMI LLC Loex Properties 1983 Travis Oil Company WAR-GAL LLC	USA

Monument Butte Fed 4-34 (I)

**RECEIVED****DEC 20 2010**DIV. OF OIL, GAS & MINING  
Page 2 of 2

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well  
Monument Butte Federal #4-34I-8-16

I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed: \_\_\_\_\_

Newfield Production Company  
Eric Sundberg  
Regulatory Lead

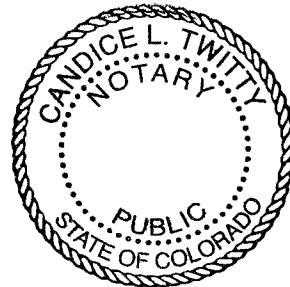
Sworn to and subscribed before me this 7<sup>th</sup> day of December, 2010.

Notary Public in and for the State of Colorado: \_\_\_\_\_

Candice L. Twitty

My Commission Expires  
02/10/2013

My Commission Expires: \_\_\_\_\_



## Monument Butte Federal #4-34-8-16

Spud Date: 10/22/96  
Put on Production: 11/16/96  
GL: 5616' KB: 5629'

Initial Production: 98 BOPD,  
79 MCFPD, 12 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 301.17' (10 jts.)  
DEPTH LANDED: 300.57' GL  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 120 sxs Premium cmt, est 6 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 146 jts. (6172.89')  
DEPTH LANDED: 6160.09'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 380 sk Hibond mixed & 400 sxs thixotropic  
CEMENT TOP AT: 1374' per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 tbg  
NO. OF JOINTS: 191 jts (5937.63')  
TUBING ANCHOR: 5950.63'  
NO. of JOINTS: 1 (30.02')  
SEATING NIPPLE: 2-7/8" (1.11')  
SN LANDED AT: 5983.49'  
NO. of JOINTS: 1 (28.50')  
TOTAL STRING LENGTH: EOT @ 6013.80'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' polished rod  
SUCKER RODS: 95-3/4" scraped rods (B), 109-3/4" plain rods (B), 28-3/4" scraped rods (B), 7-1" scraped rods (B).  
PUMP SIZE: 2-1/2 x 1-1/2 x 12' x 16' RHAC pump  
STROKE LENGTH: 64"  
PUMP SPEED, SPM: 6 SPM

FRAC JOB

11/7/96 5796'-6100' Frac LODC, CP-2 & CP-3 sand as follows:  
127,500# of 20/40 sand in 748 bbls of Boragel. Breakdown @ 3750 psi. Treated @ avg rate of 36 bpm w/avg press of 2200 psi. ISIP-2086, 5-min 1997 psi. Flowback on 12/64" ck for 6 hours and died.

11/11/96 5469'-5498' Frac A-3 sand as follows:  
95,000# of 20/40 sand in 542 bbls of Boragel. Breakdown @ 3024 psi. Treated @ avg rate of 22.2 bpm w/avg press of 1800 psi. ISIP 2352 psi, 5-min 2255 psi. Flowback on 12/64" ck for 4 hours and died.

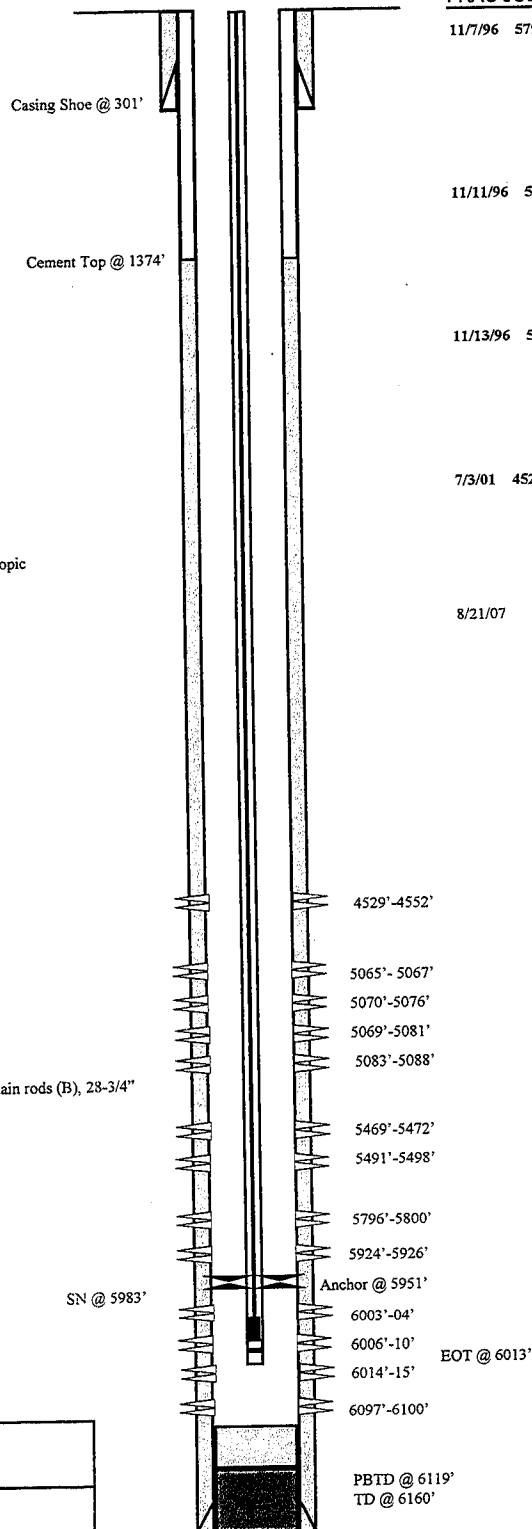
11/13/96 5065'-5088' Frac D-2 sand as follows:  
94,800# of 20/40 sand in 507 bbls of Boragel. Breakdown @ 2209 psi. Treated @ avg rate of 23 bpm w/avg press of 1750 psi. ISIP-2713 psi, 5-min 2591 psi. Flowback on 12/64" ck for 5-1/2 hours and died.

7/3/01 4529'-4552' Frac GB-6 sand as follows:  
97,320# of 20/40 sand in 536 bbls of Viking 1-25 fluid. Treated @ avg rate of 27.5 bpm w/avg press of 2130 psi. ISIP-2480 psi. Flow back on 12/64" ck.

8/21/07 Pump change. Updted rod & tubing details.

PERFORATION RECORD

11/7/96	5796'-5800'	4 JSPF	16 holes
11/7/96	5924'-5926'	4 JSPF	8 holes
11/7/96	6003'-6004'	4 JSPF	4 holes
11/7/96	6006'-6010'	4 JSPF	16 holes
11/7/96	6014'-6015'	4 JSPF	4 holes
11/7/96	6097'-6100'	4 JSPF	12 holes
11/9/96	5469'-5472'	4 JSPF	12 holes
11/9/96	5491'-5498'	4 JSPF	28 holes
11/12/96	5065'-5067'	4 JSPF	8 holes
11/12/96	5070'-5076'	4 JSPF	24 holes
11/12/96	5078'-5081'	4 JSPF	12 holes
11/12/96	5083'-5088'	4 JSPF	20 holes
7/3/01	4529'-4552'	4 JSPF	92 holes



Monument Butte Federal #4-34

660 FWL &amp; 660 FNL

NWNW Section 34-T8S-R16E

Duchesne Co, Utah

API #43-013-31669; Lease #UTU-62848

DF 10/17/07

## Monument Butte Federal 13-27-8-16

Spud Date: 10/29/96  
Put on Injection: 10/13/97  
GL: 5617' KB: 5630'

Initial Production: 106 BOPD,  
132 MCFPD, 6 BWPD

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 289.49' (7 jts.)  
DEPTH LANDED: 288.49' GL  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 120 sxs Premium cmt, est 5 bbls to surf.

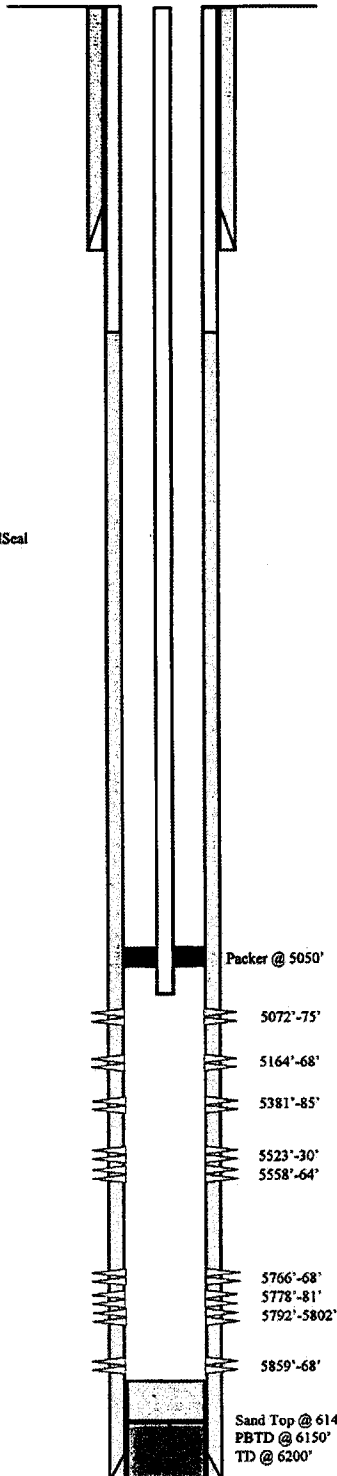
PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 147 jts. (6225.45')  
DEPTH LANDED: 6197.45'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 425 sk Hibond mixed & 425 sxs Thixo w/ 10% CalSeal  
CEMENT TOP AT: 449' per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#  
NO. OF JOINTS: 199 jts  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5861'  
CE @ 5050'  
TOTAL STRING LENGTH: EOT @ 5050'

Injection Well  
Wellbore Diagram (MEM 7/6/99)

FRAC JOB

11/20/96 5766'-5868' Frac LODC sand as follows:  
107,800# of 20/40 sand in 600 bbls of  
Boragel. Breakdown @ 3180 psi. Treated @  
avg rate of 32.2 bpm w/avg press of 2700  
psi. ISIP-3137 psi, 5-min 3039 psi.  
Flowback on 12/64" ck for 5 hours and died

11/22/96 5523'-5564' Frac A-2 sand as follows:  
81,900# of 20/40 sand in 483 bbls of  
Boragel. Breakdown @ 2560 psi. Treated @  
avg rate of 23 bpm w/avg press of 2400 psi.  
ISIP-3917 psi, 5-min 3442 psi. Flowback on  
12/64" ck for 3 hrs and died.

11/25/96 53381'-5385' Frac B-2 sand as follows:  
74,400# of 20/40 sand in 454 bbls of  
Boragel. Breakdown @ 3214 psi. Treated @  
avg rate of 20.5 bpm w/avg press of 2450  
psi. ISIP-2817 psi, 5-min 2650 psi.  
Flowback on 12/64" ck for 3 hours and  
died.

11/27/96 5072'-5168' Frac D-1 and D-3 sand as follows:  
96,200# of 20/40 sand in 532 bbls of  
Boragel. Breakdown @ 2380 psi. Treated @  
avg rate of 22 bpm w/avg press of 1950 psi.  
ISIP-2402 psi, 5-min 2343 psi. Flowback on  
12/64" ck for 5 hours and died

10-07-97 Convert to injection well  
Put on Injection  
9-24-02 5 yr MIT  
08/23/07 5 year MIT

PERFORATION RECORD

11/19/96	5766'-5768'	4 JSPF	8 holes
11/19/96	5778'-5781'	4 JSPF	12 holes
11/19/96	5792'-5802'	4 JSPF	40 holes
11/19/96	5859'-5868'	4 JSPF	36 holes
11/21/96	5523'-5530'	4 JSPF	28 holes
11/21/96	5558'-5564'	4 JSPF	24 holes
11/23/96	5381'-5385'	4 JSPF	16 holes
11/27/96	5072'-5075'	4 JSPF	12 holes
11/27/96	5164'-5168'	4 JSPF	16 holes

**NEWFIELD**

Monument Butte Federal 13-27-8-16  
619 FSL 685 FWL  
SWSW Section 27-T8S-R16E  
Duchesne Co, Utah  
API #43-013-31611; Lease #U-62848



Spud Date: 10/10/95  
 Put on Production: 12/18/1995  
 Put on Injection: 10/7/97  
 GL: 5603' KB: 5617'

## Monument Butte Fed. 3-34-8-16

Initial Production: 73 BOPD,  
 155 MCFD, 23 BWPD

Injection Wellbore  
 Diagram

SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 DEPTH LANDED: 313' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 260 sxs Premium cement.

PRODUCTION CASING

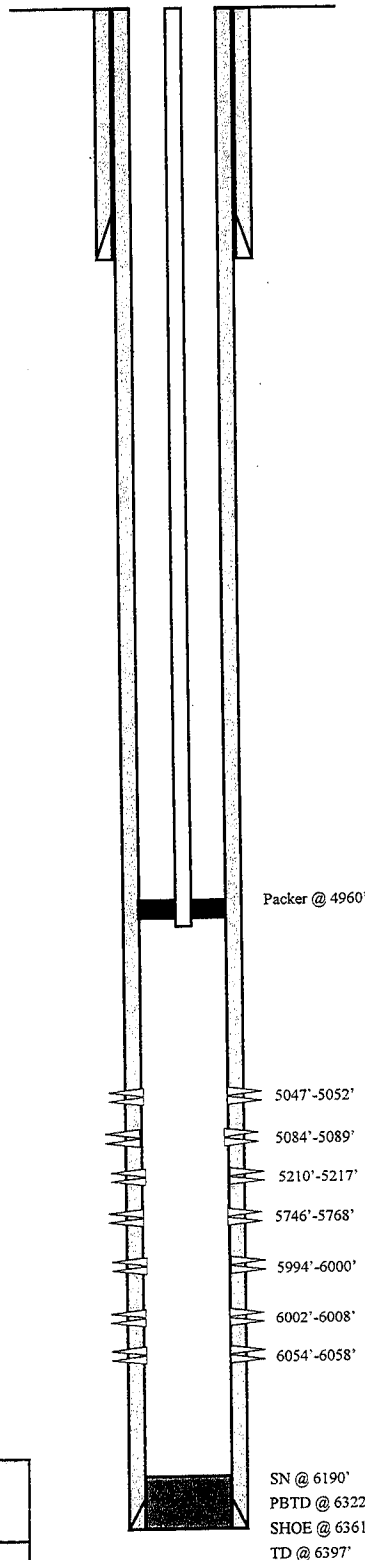
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 17#  
 DEPTH LANDED: 6244' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 255 sxs Hyfill & 370 sxs Thixotropic.  
 CEMENT TOP AT: ? per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 158 jts  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT:  
 NO. OF JOINTS: 1 jt  
 PACKER AT: 4960' KB  
 TOTAL STRING LENGTH: EOT @ 4960' KB

FRAC JOB

12/07/95	5944'-6058'	<b>Frac CP sand as follows:</b> Totals 111,300# 20/40 sd., 775 bbls Boragel, ISIP 2,017, after 5 min 1,935.
12/08/95	5746'-5768'	<b>Frac LODC sand as follows:</b> Totals 79,100# 20/40 sd., 592 bbls Boragel Avg TP 2,200 @ 31 BPM. ISIP 2,489, after 5 min 2,340
12/10/95	5210'-5217'	<b>Frac C sands as follows:</b> Totals 47,600# 20/40 sd., 424 bbls Boragel Avg TP 1,950 @ 20 BPM. ISIP 2,484, after 5 min 2,441.
12/14/95	5047'-5089'	<b>Frac D sands as follows:</b> Totals 64,700# 20/40 sd., 551 bbls Boragel Avg TP 2,220 @ 31 BPM. ISIP 2,615, after 5 min 2,747.
10/02/97		Convert to injector.
8/31/07		5 Year MIT completed and submitted.

PERFORATION RECORD

12/06/95	6054'-6058'	4 JSPF	16 holes
12/06/95	6002'-6008'	4 JSPF	24 holes
12/06/95	5994'-6000'	4 JSPF	24 holes
12/08/95	5746'-5768'	4 JSPF	88 holes
12/10/95	5210'-5217'	4 JSPF	28 holes
12/13/95	5084'-5089'	4 JSPF	20 holes
12/13/95	5047'-5052'	4 JSPF	20 holes

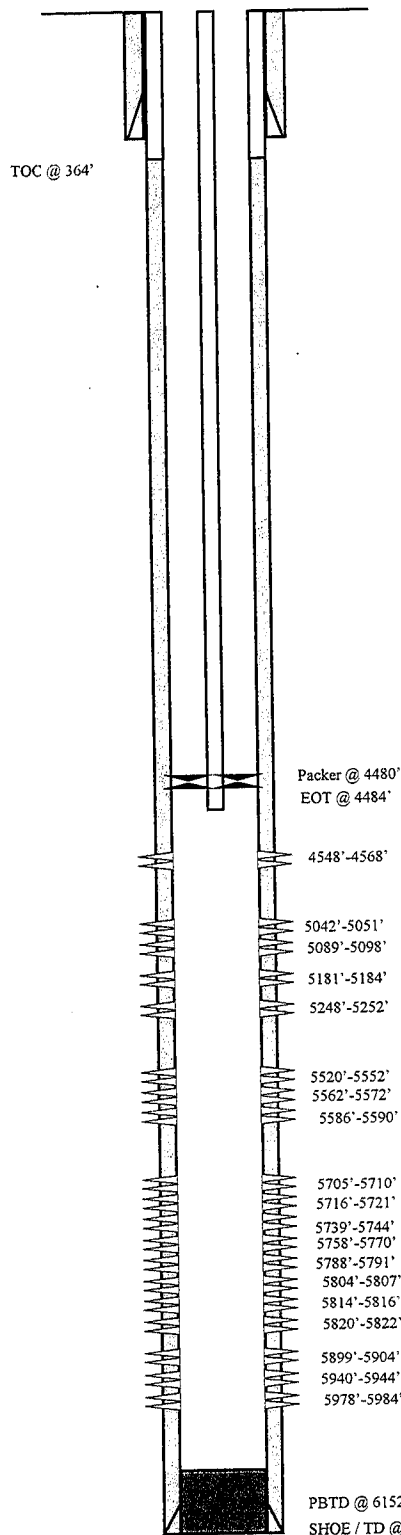
NEWFIELD

Monument Butte Federal #3-34-8-16  
 1980 FWL & 660 FNL  
 SWNW Section 34-T8S-R16E  
 Duchesne Co, Utah  
 API #43-013-31518; Lease #U-62848

## Monument Butte Fed. 6-34-8-16

Initial Production: 28 BOPD,  
57 MCFD, 4 BWPDSpud Date: 2/28/1995  
Put on Production: 4/09/1995

GL: 5632' KB: 5646'

SURFACE CASINGCSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
DEPTH LANDED: 310'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 165 sxs Class "G" cement.PRODUCTION CASINGCSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
DEPTH LANDED: 6207.42'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 383 sxs Hilift & 307 sxs 10-0 RFC.  
CEMENT TOP AT: 364'TUBINGSIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 136 jts (4461.9')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 4475.9' KB  
CE @ 4482.28'  
TOTAL STRING LENGTH: EOT @ 4484' w/ 14' KBInjection Wellbore  
DiagramFRAC JOB

4/06/95 5520'-5552' Frac A3 sand as follows: 97,570# 20/40 sand in 692 bbls Viking I-35 fluid. Treated @ avg press of 2270 psi w/avg rate of 31.5 BPM. ISIP 2380 psi. Calc. flush: 5520 gal. Actual flush: 1260 gal.

6/07/95 5042'-5098' Frac D sands as follows: 77,000# 16/30 sand in 673 bbls KCl frac fluid. Treated @ avg press of 2250 psi w/avg rate of 32 BPM. ISIP 2482 psi. Calc. flush: 5042 gal. Actual flush: 4998 gal.

7/10/01 4548'-4568' Frac GB-6 sand as follows: 100,120# 20/40 sand in 647 bbls Viking I-25 fluid. Treated @ avg press of 2050 psi w/avg rate of 30 BPM. ISIP 2360 psi. Calc. flush: 4548 gal. Actual flush: 4452 gal.

6/10/03 5899'-5984' Frac CP sand as follows: 79,030# 20/40 sand in 630 bbls Viking I-25 fluid. Treated @ avg press of 4000 psi w/avg rate of 16 BPM. ISIP 1885 psi. Calc. flush: 1502 gal. Actual flush: 1386 gal.

6/11/03 5705'-5822' Frac LODC sand as follows: 117,747# 20/40 sand in 900 bbls Viking I-25 fluid. Treated @ avg press of 4400 psi w/avg rate of 17.3 BPM. ISIP 2390 psi. Calc. flush: 1491 gal. Actual flush: 1386 gal.

6/12/03 5520'-5590' Frac Existing A and LoDC sand as follows: 100,632# 20/40 sand in 213 bbls of Viking I-25 pad, and 518 bbls Viking I-25 fluid. Treated @ 4100 avg press of psi w/avg rate of 17.3 BPM. ISIP 2400 psi. Calc. flush: 1430 gal. Actual flush: 1302 gal.

6/12/03 5181'-5252' Frac B and C sand as follows: 38,341# 20/40 sand in 198 bbls Viking I-25 fluid. Treated @ avg press of 2750 psi w/avg rate of 17.6 BPM. ISIP 1700 psi. Calc. flush: 1323 gal. Actual flush: 1176 gal.

2/17/04 Tubing Leak. Update rod and tubing detail.  
4/10/10 Convert to Injection well  
4/14/10 MIT Completed -tbg detail updated

PERFORATION RECORD

Date	Interval	Tool	Holes
4/06/95	5520'-5552'	4 JSPF	128 holes
6/06/95	5089'-5098'	4 JSPF	36 holes
6/06/95	5042'-5051'	4 JSPF	36 holes
7/10/01	4548'-4568'	4 JSPF	80 holes
6/10/03	5978'-5984'	4 JSPF	24 holes
6/10/03	5940'-5944'	4 JSPF	16 holes
6/10/03	5899'-5904'	4 JSPF	20 holes
6/11/03	5820'-5822'	4 JSPF	8 holes
6/11/03	5814'-5816'	4 JSPF	8 holes
6/11/03	5804'-5807'	4 JSPF	12 holes
6/11/03	5788'-5791'	4 JSPF	12 holes
6/11/03	5758'-5770'	4 JSPF	48 holes
6/11/03	5739'-5744'	4 JSPF	20 holes
6/11/03	5716'-5721'	4 JSPF	20 holes
6/11/03	5705'-5710'	4 JSPF	20 holes
6/11/03	5586'-5590'	4 JSPF	16 holes
6/11/03	5562'-5572'	4 JSPF	10 holes
6/11/03	5248'-5252'	4 JSPF	16 holes
6/11/03	5181'-5184'	4 JSPF	12 holes

**NEWFIELD**

Monument Butte Fed. #6-34-8-16  
1980' FNL & 1980' FWL  
SE/NW Section 34-T8S-R16E  
Duchesne Co, Utah  
API #43-013-31504; Lease #U-62848

Spud Date: 7/17/95  
 Put on Production: 9/12/95  
 Put on Injection: 10/7/97  
 GL: 5631' KB: 5644'

## Monument Butte Fed. #5-34-8-16

Initial Production: 218 BOPD,  
 124 MCFD, 9 BWPD

Injection Wellbore  
DiagramSURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (298')  
 DEPTH LANDED: 296' KB  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 120 sxs Class "G" cmt, est 4 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: ? jts. (6152')  
 DEPTH LANDED: 6148' KB  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 340 sxs Hifill & 345 sxs Cal-Seal.  
 CEMENT TOP AT: ? per CBL

TUBING

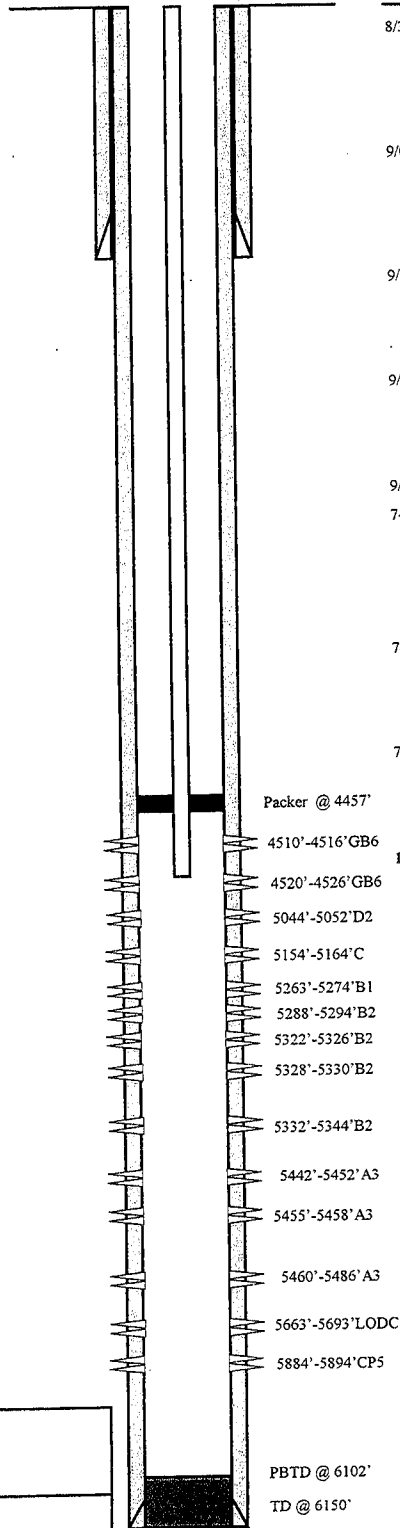
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 140 jts (4440.03')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4453.03' KB  
 PACKER AT: 4457.48' KB  
 TOTAL STRING LENGTH: EOT @ 4461.68' KB

FRAC JOB

8/30/95	5663'-5693'	<b>Frac zone as follows:</b> 14,933# 20/40 sand + 130,948# 16/30 sand in 738 bbls Boragel frac fluid. Treated @ avg press of 2650 psi w/avg rate of 33 BPM. ISIP 2970 psi. Calc flush: 5663 gal. Actual flush: 5628 gal.
9/01/95	5442'-5486'	<b>Frac zone as follows:</b> 88,000# 20/40 sand + 40,000# 16/30 sand in 548 bbls Gelled frac fluid. Treated @ avg press of ? psi w/avg rate of ? BPM. ISIP 2030 psi. Calc flush: 5442 gal. Actual flush: 5398 gal.
9/03/95	5263'-5344'	<b>Frac zone as follows:</b> 58,000# 16/30 sand in 548 bbls Gelled frac fluid. Treated @ avg press of ? psi w/avg rate of ? BPM. ISIP 3537 psi. Calc flush: 5263 gal. Actual flush: 1519 gal.
9/08/95	5044'-5052'	<b>Frac zone as follows:</b> 52,000# 16/30 sand in 459 bbls Gelled frac fluid. Treated @ avg press of ? psi w/avg rate of ? BPM. ISIP 2097 psi. Calc flush: 5044 gal. Actual flush: 5000 gal.
9/27/97		Convert to injector.
7-13-05		Re-completion and MIT.
	5884'-5894'	<b>Frac zone as follows:</b> 19,640# 16/30 sand in 209 bbls of Lightning 17 frac fluid. Treated @ avg press of 2970 psi w/avg rate rate of 14.3 BPM. ISIP 1725 psi. Calc flush: 1589 gal. Actual flush: 1470 gal.
7-13-05	5154'-5164'	<b>Frac zone as follows:</b> 14,568# 20/40 sand in 172 bbls of Lightning 17 frac fluid. Treated @ avg press of 3359 psi w/avg rate of 14.3 BPM. ISIP 2850 psi. Calc flush: 1820 gal. Actual flush: 1218 gal.
7-14-05	4510'-4526'	<b>Frac zone as follows:</b> 14,210# 20/40 sand in 181 bbls of Lightning 17 fracfluid. Treated @ avg press of 3059 psi w/avg rate of 14.2 BPM. ISIP 2000 psi. Calc flush: 1166 gal. Actual flush: 1134 gal.
		<b>Workover: Acidize B2 sands</b>

PERFORATION RECORD

8/29/95	5663'-5693'	4 JSPF	120 holes
8/31/95	5460'-5486'	4 JSPF	104 holes
8/31/95	5455'-5458'	4 JSPF	12 holes
8/31/95	5442'-5452'	4 JSPF	40 holes
9/2/95	5332'-5344'	4 JSPF	48 holes
9/2/95	5328'-5330'	4 JSPF	24 holes
9/2/95	5322'-5326'	4 JSPF	16 holes
9/2/95	5263'-5274'	4 JSPF	44 holes
9/7/95	5044'-5052'	4 JSPF	32 holes



**Monument Butte Fed. #5-34-8-16**  
 1980' FSL & 660' FWL  
 SWNW Section 34-T8S-R16E  
 Duchesne Co, Utah  
 API #43-013-31499; Lease #U-62848

## Monument Butte 2-34-8-16

Spud Date: 3/19/97  
Put on Production: 6/10/97  
GL: 5591' KB: 5603'

Initial Production: 45 BOPD,  
64 MCFPD, 8 BWPD

SURFACE CASING

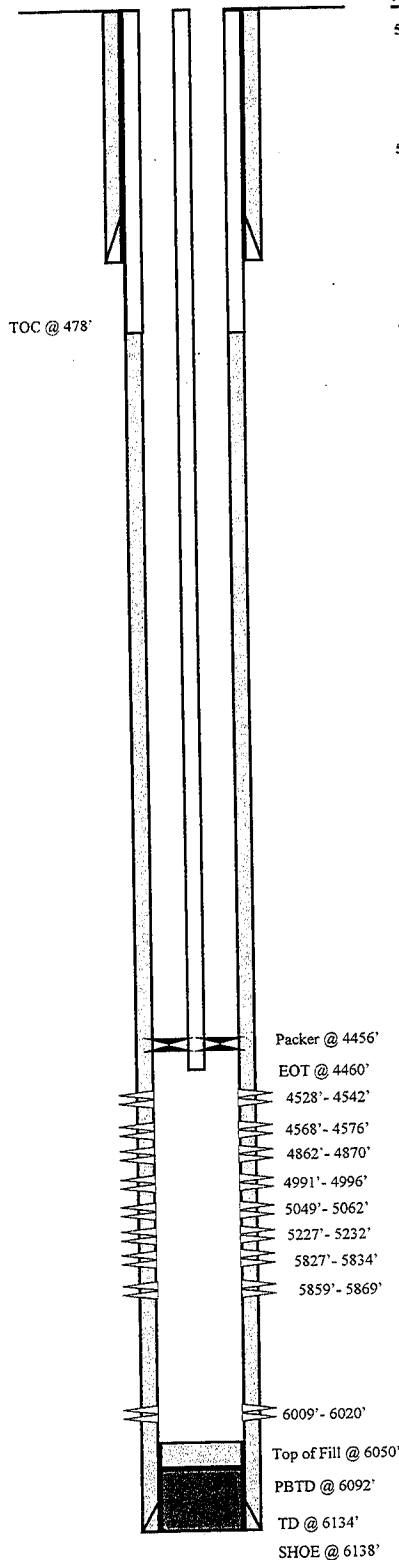
CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 287.30' (7 jts.)  
DEPTH LANDED: 287.30' GL  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 120 sxs Premium cmt, w/8 bbls cmt to surface.

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 146 jts.  
DEPTH LANDED: 6138'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 420 sk Hibond mixed & 370 sxs thixotropic  
CEMENT TOP AT: 478' per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#  
NO. OF JOINTS: 143 jts (4439.9')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 4451.9'  
CE @ 4456.33'  
TOTAL STRING LENGTH: EOT @ 4460' W/12' KB

Injection Wellbore  
DiagramFRAC JOB

5/28/97	6009'-6020'	<b>Frac CP-2 sand as follows:</b> 103,400# of 20/40 sans in 526 bbls of Boragel. Perfs broke @ 2159 psi. Treated @ avg rate of 26 bpm w/avg press of 1900 psi. ISIP-2295, 5-min 2084 psi. Flowback on 12/64" ck for 3-1/2 hours and died.
5/29/97	5827'-5869'	<b>Frac LODC sand as follows:</b> 113,100# of 20/40 sand in 541 bbls of Boragel. Perfs broke @ 3212 psi. Treated @ avg rate of 28 bpm w. avg press of 2980 psi. Screened out w/8.9# sand on perfs w/1166 gal left to flush. Had 101,800# sand in perfs and 11,300# sand left in csg. ISIP-3836 psi, 5-min 2601 psi. Flowback on 12/64" ck for 4 hours and died.
6/2/97	5227'-5232'	<b>Frac C sand as follows:</b> 102,000# of 20/40 sand in 477 bbls Boragel. Perfs broke @ 2680 psi. Treated @ avg rate of 25 bpm w/avg press of 2680 psi. Screened out w/820 gal of flush left to pump, reduced rate and flushed remainder of flush. ISIP-3438 psi, 5-min 2311 psi. Flowback on 12/64" ck for 2-1/2 hours and died.
6/4/97	4991'-5062'	<b>Frac D-1 &amp; D-S3 sand as follows:</b> 101,300# of 20/40 sand in 490 bbls of Boragel. Perfs broke @ 3180 psi. Treated @ avg rate of 26.5 bpm w/avg press of 2400 psi. ISIP-2900 psi, 5-min 2853 psi. Flowback on 12/64" ck for 2-1/2 hours and died.
6/11/01	4862'-4870'	<b>Frac X-Stray sand as follows:</b> 19,674# of 20/40 sand in 216 bbls of Viking 1-25. Treated w/avg press of 3480 psi. @ 28 BPM. Screened out.
6/13/01	4528'-4576'	<b>Frac GB-4 sand as follows:</b> 124,397# of 20/40 sand in 771 bbls of Viking 1-25. Treated w/avg press of 2340 psi. @ 31.5 BPM. ISIP - 2415 psi. Flow back 6 hours then died.
5/15/03		<b>Stuck pump.</b> Update tubing and rod detail.
6/28/03		<b>Parted Rods.</b> Update rod detail.
05/29/08		<b>Major workover.</b> Updated rod and tubing
5/15/09		<b>Parted rods.</b> Updated r & t details.
04/13/10		<b>Convert to Injection well</b>
04/14/10		<b>MIT Completed - tbg detail updated</b>

PERFORATION RECORD

5/27/97	6009'-6020'	4 JSPF	44 holes
5/29/97	5827'-5834'	4 JSPF	28 holes
5/29/97	5859'-5869'	4 JSPF	40 holes
5/31/97	5227'-5232'	4 JSPF	20 holes
6/3/97	4991'-4996'	4 JSPF	20 holes
6/3/97	5049'-5062'	4 JSPF	52 holes
6/11/01	4862'-4870'	4 JSPF	56 holes
6/13/01	4568'-4576'	4 JSPF	32 holes
6/13/01	4528'-4542'	4 JSPF	32 holes

NEWFIELD

Monument Butte 2-34-8-16

660 FNL &amp; 1982 FEL

NW/NE Section 34-T8S-R16E

Duchesne Co, Utah

API #43-013-31745; Lease #UTU-16535

Spud Date: 5/29/1990  
Put on Production: 8/26/1990  
GL: 5670' KB: 5685'

## Federal 13-34B-8-16

Wellbore Diagram

**SURFACE CASING**

CSG SIZE: 8-5/8"  
GRADE: K-55  
WEIGHT: 24#  
LENGTH: 307' GL  
DEPTH LANDED: 307'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 210 sxs cmt class G

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
GRADE: K-55  
WEIGHT: 17#  
LENGTH: 6470'  
DEPTH LANDED: 6470'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 165 sxs HI LIFT, 530 sxs 10-0 RFC  
CEMENT TOP AT: @ 2924' per CBL

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55  
NO. OF JOINTS: 198 jts (6163.70')  
TUBING ANCHOR: 6178.70' KB  
NO. OF JOINTS: 1 jt (31.52')  
SEATING NIPPLE: (1.10')  
SN LANDED AT: 6213.02' KB  
NO. OF JOINTS: 2 jts (63.34')  
TOTAL STRING LENGTH: EOT @ 6277.91' w/15' KB

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' polished rods  
SUCKER RODS: 6-1 5/8" wt. rods, 32 - 3/4" scraped rods, 116 - 3/4" plain rods, 93 - 7/8" scraped rods, 1-8" x 7/8" pony rods.  
PUMP SIZE: 2-1/2" x 1-1/2" x 12' x 16' RHAC pump  
STROKE LENGTH: 84"  
PUMP SPEED, SPM: 6 SPM

TOC @ 2924'

SN @ 6213'

**NEWFIELD**

**Federal 13-34B-8-16**  
1997 FSL & 660 FWL  
NW/SW Section 34-T8S-R16E  
Duchesne Co, Utah  
API #43-013-31271; Lease #UTU-47171

**FRAC JOB**

7/26/90	5886'-5896'	<b>Frac zone as follows:</b> 18,100# 20/40 & 29,400# 16/30 sand in 547 bbl gel water. Avg. treating press. 1550 psi, @ 30 BPM, ISIP 3800 psi. Calc. flush: 5886 gal. Actual flush: 5270 gal.
7/28/90	5710'-5768'	<b>Frac zone as follows:</b> 39,400# 20/40 sand, 50,500# 16/30 sand in 956 bbl gel water. Avg. treating press. 3000 psi, @ 41 BPM, ISIP 3600 psi. Calc. flush: 5710 gal. Actual flush: 5600 gal.
7/31/90	5476'-5484'	<b>Frac zone as follows:</b> 18,100# 20/40, 26,000# 16/30 sand in 534 bbl gel water. Avg. treating press. 2550 psi, @ 30 BPM, ISIP 2630 psi. Calc. flush: 5476 gal. Actual flush: 4780 gal.
8/2/90	5312'-5342'	<b>Frac zone as follows:</b> 42,400# 20/40 sand, 51,800# 16/30 sand in 1041 bbl gel water. Avg. treating press. 2700 psi, @ 47 BPM, ISIP 2700 psi.
8/4/90	4990'-5061'	<b>Frac zone as follows:</b> 74,100# 20/40 sand, 99,000# 16/30 sand in 1750 bbls gel water. Avg. treating press. 1900 psi, @ 57 BPM, ISIP 1900 psi.
10/28/98		Isolate lower zones w/ CIBP @ 5430'
1/07/99		Drill out CIBP @ 5430'. Isolate upper zones 4990'-5061' w/ casing sleeve.
3/16/02		Remove casing sleeve. Isolate upper zones 4990'-5012' w/ packer.
4/05/02		Isolate upper zones 4990'-5051' w/ packer.
1/27/03	5886'-6277'	<b>Frac CP and BS sands (and refrac 5886 - 5896' LODC sands) as follows:</b> 119,179# 20/40 sand in 874 bbls Viking I-25 fluid. Treated @ avg. pressure of 3786 psi w/ avg. rate of 19.2 BPM. ISIP - 2235 psi. Calc. flush: 1457 gals. Actual flush: 1407 gals.
1/27/03	5153'-5157'	<b>Frac C sands as follows:</b> 10,777# 20/40 sand in 122 bbls Viking I-25 fluid. W/ sand on perfs pressure increased rapidly. Est. 5,690# sand in formation and left est. 5,087# sand in tubing. Screened out.
1/28/03	4515'-4541'	<b>Frac GB6 sands as follows:</b> 47,866# 20/40 sand in 383 bbls Viking I-25 fluid. Treated @ avg. pressure of 2154 psi w/ avg. rate of 26.1 BPM. ISIP - 2340 psi. Calc. flush: 4515 gals. Actual flush: 4326 gals.
6/4/03		Parted rod and tubing leak. Update tubing and rod details.
6/12/03		Parted rods. Update rod detail.
4/21/04		Pump change. Update rod detail.
3-11-05		Pump change.
08/06/05		Parted Rods
09/07/05		Pump Change. Update Rod and tubing details.
8-15-08		Pump change. Updated rod & tubing details.
8/20/09		Pump Maintenance. Updated rod & tubing details.

**PERFORATION RECORD**

7/24/90	5886'-5896'	4 JSPP	40 holes
7/26/90	5760'-5768'	4 JSPP	32 holes
7/26/90	5710'-5722'	4 JSPP	48 holes
7/28/90	5476'-5484'	4 JSPP	32 holes
7/31/90	5332'-5342'	4 JSPP	40 holes
7/31/90	5322'-5330'	4 JSPP	32 holes
7/31/90	5312'-5315'	4 JSPP	12 holes
8/02/90	5059'-5061'	4 JSPP	8 holes
8/02/90	5040'-5051'	4 JSPP	44 holes
8/02/90	5008'-5012'	4 JSPP	16 holes
8/02/90	4990'-5005'	4 JSPP	60 holes
1/24/03	6252'-6277'	4 JSPP	100 holes
1/24/03	6229'-6236'	4 JSPP	28 holes
1/24/03	6208'-6217'	4 JSPP	36 holes
1/24/03	6030'-6041'	4 JSPP	44 holes
1/24/03	5966'-5974'	4 JSPP	32 holes
1/24/03	5153'-5157'	4 JSPP	16 holes
1/24/03	4533'-4541'	4 JSPP	32 holes
1/24/03	4515'-4519'	4 JSPP	16 holes

DF 10/13/09

## Travis Federal #16-28-8-16

Spud Date: 7/31/96

P

ut on Production: 10/3/96

GL: 5592' KB: 5605'

SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 295.23' (7 jts.)

DEPTH LANDED: 293.63' GL

HOLE SIZE: 12-1/4"

CEMENT DATA: 120 sxs Premium cmt, est 7 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 146 jts. (6204.94')

DEPTH LANDED: 6200.94'

HOLE SIZE: 7-7/8"

CEMENT DATA: 370 sk Hybond mixed &amp; 380 sxs thixotropic

CEMENT TOP AT: Surface per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#

NO. OF JOINTS: 180 jts (5600.04')

TUBING ANCHOR: 5613.04'

NO. OF JOINTS: 1 jt (5615.84')

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 5647.04'

NO. OF JOINTS: 8 jts (5648.14')

TOTAL STRING LENGTH: ? (EOT @ 5898')

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' polished

SUCKER RODS: 8-1" guided rods, 4-3/4" guided, 117-3/4" plain rods, 96-3/4" guided rods, 1-2", 1-4", 2-6" x 3/4" pony rods.

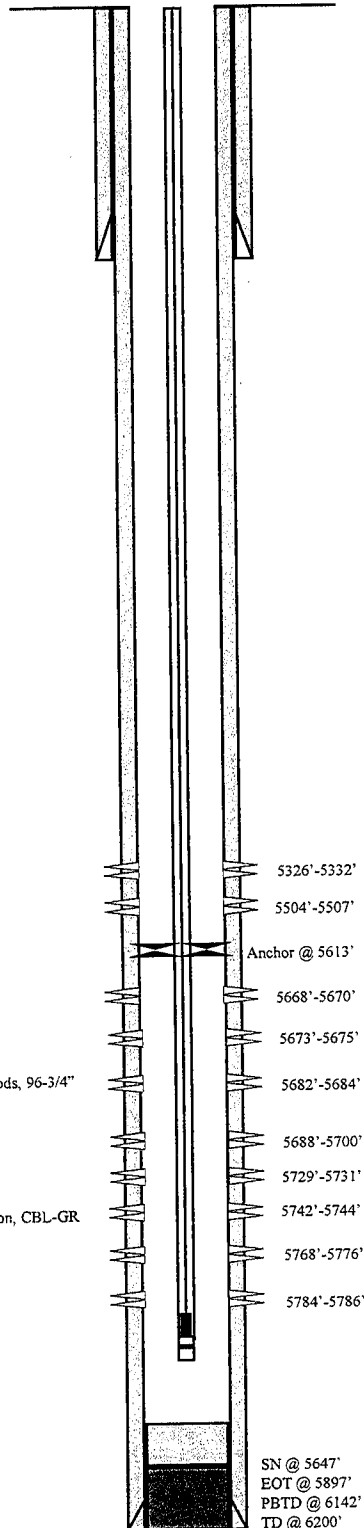
PUMP SIZE: 2-1/2" x 1-1/2" x 15" RHAC

STROKE LENGTH: 46"

PUMP SPEED, SPM: 7 SPM

LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

## Wellbore Diagram

Initial Production: 83 BOPD,  
212 MCFPD, 4 BWPDFRAC JOB

9/25/96	5668'-5786'	<b>Frac LODC sand as follows:</b> 110,300# of 20/40 sand in 586 bbls of Boragel. Breakdown @ 2600 psi. Treated @ avg rate of 41.5 bpm w/avg press of 2900 psi. ISIP-3312 psi, 5-min 3227 psi. Flowback on 12/64" ck for 5 hours and died.
9/27/96	5504'-5507'	<b>Frac A-3 sand as follows:</b> 61,300# of 20/40 sand in 403 bbls of Boragel. Breakdown @ 2957 psi. Treated @ avg rate of 18.5 bpm w/avg press of 2800 psi. ISIP-2862 psi, 5-min 2611 psi. Flowback on 12/64" ck for 3 hours and died.
9/30/96	5326'-5332'	<b>Frac B-2 sand as follows:</b> 62,300# of 20/40 sand in 407 bbls of Boragel. Breakdown @ 3220 psi. Treated @ avg rate of 18.8 bpm w/avg press of 2450 psi. ISIP-2866 psi, 5-min 2785 psi. Flowback on 12/64" ck for 2-1/2 hours and died.
12/18/01		Pump change. Update rod and tubing details

PERFORATION RECORD

9/24/96	5668'-5670'	4 JSPF	8 holes
9/24/96	5673'-5675'	4 JSPF	8 holes
9/24/96	5682'-5684'	4 JSPF	8 holes
9/24/96	5688'-5700'	2 JSPF	10 holes
9/24/96	5729'-5731'	4 JSPF	8 holes
9/24/96	5742'-5744'	4 JSPF	8 holes
9/24/96	5768'-5776'	2 JSPF	16 holes
9/24/96	5784'-5786'	4 JSPF	8 holes
9/26/96	5504'-5507'	4 JSPF	12 holes
9/28/96	5326'-5332'	4 JSPF	24 holes



Travis Federal Unit #16-28-8-16  
 363 FSL & 436 FEL  
 SESE Section 28-T8S-R16E  
 Duchesne Co, Utah  
 API #43-013-31590; Lease #U-26026A

Spud Date: 7/24/96  
Put on Production: 8/22/96  
Put on Injection: 7/08/97  
GL: 5635' KB: 5648'

## Travis Federal 1-33

Initial Production: 25 BOPD,  
47 MCFPD, 3 BWPD

### Injection Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 292.29' (7 jts.)  
DEPTH LANDED: 290.69' GL  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 120 sxs Premium cmt, est 4 bbls to surf.

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 144 jts. (6157.76')  
DEPTH LANDED: 6149.77'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 335 sk Hyfill mixed & 380 sxs thixotropic  
CEMENT TOP AT: Surface per CBL

#### INJECTION TUBING

SIZE/GRADE/WT.: 2 7/8" / M-50 / 6.5#  
NO. OF JOINTS: 158 jts.  
SEATING NIPPLE: 2 7/8-1.0'  
SN LANDED AT: 4968' KB  
PACKER: 4972' KB  
TOTAL STRING LENGTH:

#### FRAC JOB

8/14/96 5348'-5363' **Frac B-2 sand as follows:**  
56,600# of 20/40 sand in 364 bbls of Boragel. Breakdown @ 2920 psi. Treated @ avg rate of 18 bpm w/avg press of 2200 psi. ISIP- 2456, 5-min 2426 psi. Flowback on 12/64" ck for 3 hrs and died.

8/16/96 5210'-5220' **Frac C sand as follows:**  
63,800# of 20/40 sand in 369 bbls of Boragel. Breakdown @ 2025 psi. Treated @ avg rate of 21 bpm w/avg press of 3000 psi. Well screened off w/984 gal left in flush. Est sand displ: 57,400# in formation, 4400# in csg. ISIP 4185 psi, 5-min 4033 psi. Flowback on 12/64" ck for 15 min and died.

8/19/96 5018'-5036' **Frac D-1 sand as follows:**  
63,900# of 20/40 sand in 383 bbls of Boragel. Breakdown @ 2411 psi. Treated @ avg rate of 25.5 bpm w/avg press of 2600 psi. ISIP-3182 psi, 5-min 3088 psi. Flowback on 12/64" ck for 2-1/2 hrs and died.

7/02/97 **Convert to injector.**  
5 year MIT.

5/29/02 **CP3 & CP.5 sands as follows:**  
24,050#s of 20/40 sand in 297 bbls of Lightning fluid. Broke @ 2439 psi. Treated w/average rate of 14.2 BPM. ISIP 2100 psi. Begin immediate flow back on 12/64 choke @ 1 BPM. Flowed for 2 hrs and died.

7-7-05 5757'-5791' **LODC sand as follows:**  
19,072#s of 20/40 sand in 191 bbls of lightning 17 fluid. Broke @ 3545 psi. Treated w/average pressure of 3420 psi @ ave rate of 14.2 BPM. ISIP 2200 psi. Flowed for 1 hr & 15 minutes.

7-7-05 5466'-5474' **A1 sands as follows:**  
15,566#s of 20/40 sand in 168 bbls of Lightning 17 fluid. Broke @ 4209 psi. Treated w/ ave pressure of 3490 psi @ ave rate of 14.3 BPM. ISIP 3700 psi. Well ready for MIT.

#### PERFORATION RECORD

8/13/96	5348'-5353'	4 JSPF	24 holes
8/13/96	5357'-5363'	4 JSPF	28 holes
8/15/96	5210'-5220'	4 JSPF	40 holes
8/17/96	5018'-5025'	4 JSPF	28 holes
8/17/96	5033'-5036'	4 JSPF	12 holes
7-6-05	5962'-5967'	4 JSPF	20 holes
7-6-05	5979'-5984'	4 JSPF	20 holes
7-6-05	5926'-5931'	4 JSPF	20 holes
7-6-05	5757'-5762'	4 JSPF	20 holes
7-6-05	5783'-5791'	4 JSPF	32 holes
7-6-05	5466'-5474'	4 JSPF	32 holes

SN @ 4968"  
EOT @ 4976'  
Sand PBTD @ 6100"  
PBTD @ 6100'  
TD @ 6350'

**NEWFIELD**

**Travis Federal 1-33**  
660' FEL & 660' FNL  
NENE Section 33-T8S-R16E  
Duchesne Co, Utah  
API #43-013-31603; Lease U-34173

## Travis Fed. #8-33-8-16

Spud Date: 1/9/1996  
Put on Production: 2/4/1996

GL: 5594' KB: 5607'

**SURFACE CASING**

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
DEPTH LANDED: 302'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 170 sxs Type V + 100 sxs Neat

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
DEPTH LANDED: 6179'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 260 sxs Hifill & 320 sxs Thixotropic.  
CEMENT TOP AT: 1050'

**TUBING**

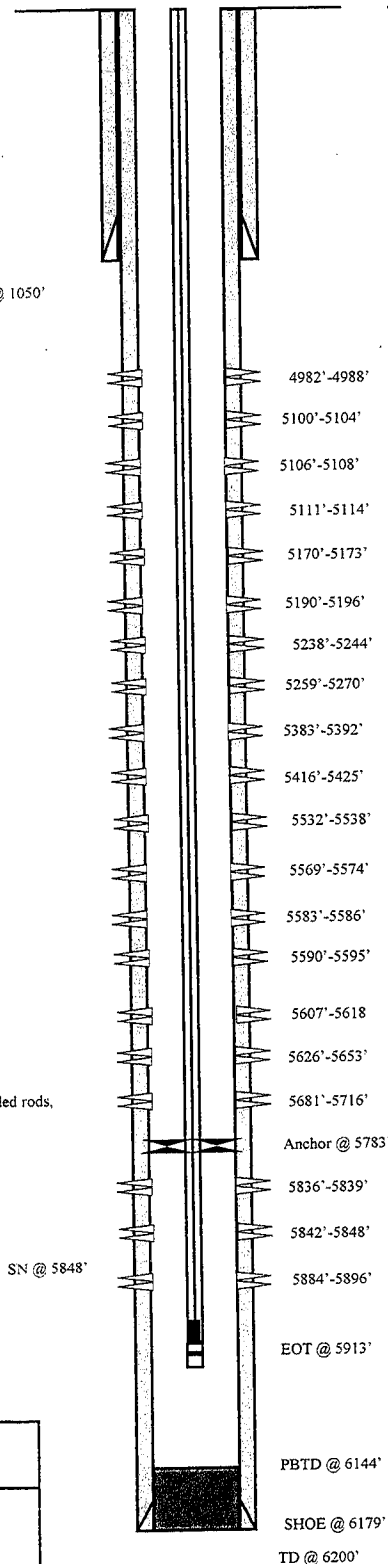
SIZE/GRADE/WT.: 2-7/8" / J-55  
NO. OF JOINTS: 184 jts (5783.7')  
TUBING ANCHOR: 5783.7'  
NO. OF JOINTS: 2 jts (61.8')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: (5848.3')  
NO. OF JOINTS: 2 jts (63')  
TOTAL STRING LENGTH: BOT @ 5913'

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 22' SM  
SUCKER RODS: 1-2' x 3/4" pony rod, 1-4' x 3/4" pony rod, 94- 3/4" guided rods,  
62- 3/4" sucker rods, 71- 3/4" guided rods, 6- 1 1/2" sinker bars  
PUMP SIZE: 2 1/2" x 1 1/2" x 12' x 16' RHAC  
STROKE LENGTH: 64"  
PUMP SPEED, SPM: 4 SPM

**Wellbore Diagram**

TOC @ 1050'



SN @ 5848'

**FRAC JOB**

1/26/96	5884'-5896'	<b>Frac CP sand as follows:</b> 69,900# 20/40 sand in 558 bbls fluid. Treated @ avg press of 1600 psi w/avg rate of 26 BPM. ISIP 2009 psi. Calc flush: 5884 gal, Actual flush: 5806 gal.
1/29/96	5569'-5653'	<b>Frac LODC sand as follows:</b> 144,900# 20/40 sand in 970 bbls fluid. Treated @ avg press of 2800 psi w/avg rate of 37 BPM. ISIP 2921 psi. Calc flush: 5569 gal, Actual flush: 5493 gal.
1/31/96	5383'-5425'	<b>Frac A sand as follows:</b> 77,200# 20/40 sand in 585 bbls fluid. Treated @ avg press of 2290 psi w/avg rate of 32 BPM. ISIP 2412 psi. Calc flush: 5383 gal, Actual flush: 5284 gal.
2/01/96	5238'-5270'	<b>Frac B sand as follows:</b> 64,200# 20/40 sand in 494 bbls fluid. Treated @ avg press of 2130 psi w/avg rate of 20.7 BPM. ISIP 2130 psi. Calc flush: 5238 gal, Actual flush: 5174 gal.
6/07/02	5836'-5848'	<b>Frac CP 0.5 sand as follows:</b> 18,500# 20/40 sand in 163 bbls fluid. Treated @ avg press of 3625 psi w/avg rate of 15.9 BPM. ISIP 2180 psi. Calc flush: 1473 gal, Actual flush: 1386 gal.
6/07/02	5681'-5716'	<b>Frac LODC sand as follows:</b> 60,000# 20/40 sand in 390 bbls fluid. Treated @ avg press of 3700 psi w/avg rate of 11.2 BPM. ISIP 3670 psi. Calc flush: 1384 gal, Actual flush: 1302 gal.
6/07/02	5532'-5653'	<b>Frac LODC sand as follows:</b> 134,420# 20/40 sand in 820 bbls fluid. Treated @ avg press of 5250 psi w/avg rate of 19.7 BPM. ISIP 3650 psi. Calc flush: 1394 gal, Actual flush: 1302 gal.
6/08/02	5100'-5196'	<b>Frac C sands as follows:</b> 54,200# 20/40 sand in 221 bbls fluid. Treated @ avg press of 2250 psi w/avg rate of 26.5 BPM. ISIP 2600 psi. Calc flush: 5100 gal, Actual flush: 4998 gal.
6/08/02	4982'-4988'	<b>Frac D sand as follows:</b> 34,220# 20/40 sand in 221 bbls fluid. Treated @ avg press of 2050 psi w/avg rate of 24.1 BPM. ISIP 2250 psi. Calc flush: 4982 gal, Actual flush: 4918 gal.
10-19-07		Tubing Leak. Updated rod & tubing details.
11/14/03		<b>Parted rods update:</b>
1/29/2010		Pump Changed. Updated rod and tubing detail.

**PERFORATION RECORD**

1/26/96	5884'-5896'	4 JSFP	48 holes
1/27/96	5626'-5653'	4 JSFP	108 holes
1/27/96	5607'-5618'	4 JSFP	44 holes
1/27/96	5590'-5595'	4 JSFP	20 holes
1/27/96	5583'-5586'	4 JSFP	12 holes
1/27/96	5569'-5574'	4 JSFP	20 holes
1/31/96	5416'-5425'	4 JSFP	36 holes
1/31/96	5383'-5392'	4 JSFP	36 holes
2/01/96	5259'-5270'	4 JSFP	44 holes
2/01/96	5238'-5244'	4 JSFP	24 holes
6/06/02	5842'-5848'	4 JSFP	24 holes
6/06/02	5836'-5839'	4 JSFP	12 holes
6/06/02	5681'-5716'	2 JSFP	70 holes
6/06/02	5532'-5538'	4 JSFP	24 holes
6/08/02	5190'-5196'	4 JSFP	24 holes
6/08/02	5170'-5173'	4 JSFP	12 holes
6/08/02	5111'-5114'	4 JSFP	12 holes
6/08/02	5106'-5108'	4 JSFP	08 holes
6/08/02	5100'-5104'	4 JSFP	16 holes
6/08/02	4982'-4988'	4 JSFP	24 holes



**Travis Federal #8-33-8-16**

2073' FNL & 623' FEL

SENE Section 33-T8S-R16E

Duchesne Co, Utah

API #43-013-31503; Lease #U-34173



## Travis Fed. #J-33-8-16

Spud Date: 7/17/08  
Put on Production: 8/25/08

GL: 5563' KB: 5575'

**SURFACE CASING**

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts (313.64')  
DEPTH LANDED: 325.49'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: To surface with 160 sx Class 'G' cmt

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 162 jts  
DEPTH LANDED: 6390.86'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 325 sx Premilite II and 450 sx 50/50 Poz  
CEMENT TOP AT: 50'

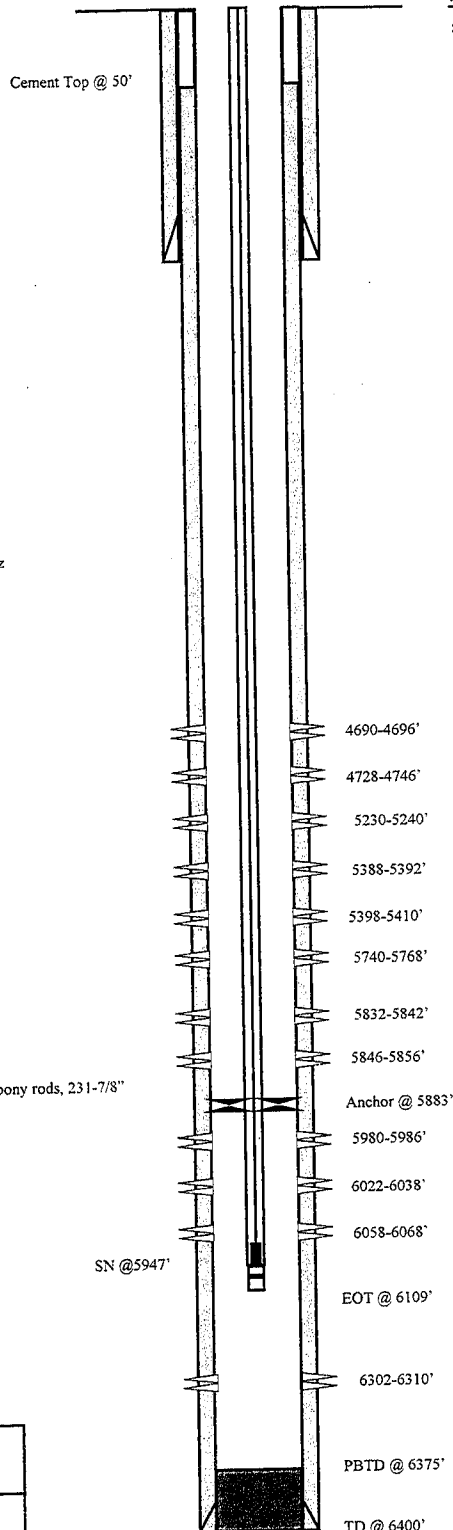
**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55/ 6.5#  
NO. OF JOINTS: 191 jts (5870.89')  
TUBING ANCHOR: 5882.89'  
NO. OF JOINTS: 2 jts (61.92')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 5947.61'  
NO. OF JOINTS: 1 jts (30.92')  
TOTAL STRING LENGTH: EOT @ 6108.68'

**SUCKER RODS**

POLISHED ROD: 1-1/2" x 26' polished rod  
SUCKER RODS: 1 1/2" x 26' polished rod, 1-4", 6", 8" x 7/8" pony rods, 231-7/8" guided rods (8 per), 4-1 1/2" weight bars  
PUMP SIZE: 2 1/2" x 1 3/4" x 16" x 19" RHAC pump CDI  
STROKE LENGTH: 84"  
PUMP SPEED, SPM: 5

Wellbore Diagram

**FRAC JOB**

8/14/08	6302-6310'	<b>Frac CP5 sds as follows:</b> Frac w/24,029# 20/40 sand in 419 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2445 psi w/ ave rate of 21.5 BPM. ISIP 2267 psi. Actual flush: 5796 gals.
8/14/08	6058-6068'	<b>Frac CP2, CP1 &amp; CP.5 sds as follows:</b> Frac w/99,661# 20/40 sand in 776 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1966 psi w/ ave rate of 22.4 BPM. ISIP 2184 psi. Actual flush: 5515 gals.
8/14/08	5832-5842'	<b>Frac LODC sds as follows:</b> Frac w/42,105# 20/40 sand in 446 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2325 psi w/ ave rate of 21.2 BPM. ISIP 2519 psi. Actual flush: 5410 gals.
8/14/08	5740-5768'	<b>Frac LODC sds as follows:</b> Frac w/79,304# 20/40 sand in 643 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2428 psi w/ ave rate of 21.5 BPM. ISIP 3098 psi. Actual flush: 5250 gals.
8/15/08	5388-5392'	<b>Frac B2 sds as follows:</b> Frac w/51,086# 20/40 sand in 489 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2120 psi w/ ave rate of 21.0 BPM. ISIP 2471 psi. Actual flush: 4880 gals.
8/15/08	5230-5240'	<b>Frac C sds as follows:</b> Frac w/33,904# 20/40 sand in 373 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2354 psi w/ ave rate of 21.3 BPM. ISIP 3630 psi. Actual flush: 4641 gals.
8/15/08	4690-4696'	<b>Frac PB7/PB8 sds as follows:</b> Frac w/73,012# 20/40 sand in 595 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2462 psi w/ ave rate of 22.2 BPM. ISIP 2830 psi. Actual flush: 4303 gals.

**PERFORATION RECORD**

8/15/08	4690-4696'	4 JSPF	24 holes
8/15/08	4728-4746'	4 JSPF	72 holes
8/15/08	5230-5240'	4 JSPF	40 holes
8/14/08	5388-5392'	4 JSPF	16 holes
8/14/08	5398-5410'	4 JSPF	48 holes
8/14/08	5740-5768'	4 JSPF	112 holes
8/14/08	5832-5842'	4 JSPF	40 holes
8/14/08	5846-5856'	4 JSPF	40 holes
8/14/08	5980-5986'	4 JSPF	24 holes
8/14/08	6022-6038'	4 JSPF	64 holes
8/14/08	6058-6068'	4 JSPF	40 holes
8/14/08	6302-6310'	4 JSPF	32 holes

**NEWFIELD****Travis Federal #J-33-8-16**

681' FNL &amp; 659' FEL

NW/NW Section 33-T8S-R16E

Duchesne Co, Utah

API #43-013-33707; Lease #UTU-34173

TL 9/24/08

## Travis Federal G-34-8-16

Spud Date: 4/29/09  
Put on Production: 6/16/09  
GL: 5635' KB: 5647'

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 7 jts. (269.36')  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 163 jts. (6473.94')  
HOLE SIZE: 7-7/8"  
TOTAL DEPTH: 6500'  
CEMENT DATA: 280 sk Prem. Lite II mixed & 400 sxs 50/50 POZ.  
CEMENT TOP AT: 20'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 196 jts (6082')  
TUBING ANCHOR: 6084'  
NO. OF JOINTS: 1 jts (31.1')  
SEATING NIPPLE: 2-7/8" (1.10')  
SN LANDED AT: 6117' KB  
NO. OF JOINTS: 2 jts (61.8')  
TOTAL STRING LENGTH: EOT @ 6179' w/12' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 30'  
SUCKER RODS: 1-2', 6' x 7/8" pony rods, 239- 7/8" guided rods, 1-6', 4- 1 1/2" weight rods  
PUMP SIZE: 2-1/2" x 1-3/4" x 20' x 24' RHAC rod pump  
STROKE LENGTH: 144"  
PUMP SPEED, SPM: 5

FRAC JOB

06-16-09 6102-6106' Frac CP2 sands as follows:  
Frac with 24996 #'s of 20/40 sand in 203 bbls Lightning 17 fluid. Treat at an ave pressure of 2835 psi @ 23 BPM. ISIP 19080 psi.

06-26-08 6712-6740' Frac CP5 sands as follows:  
Frac with 34608 #'s of 20/40 sand in 453 bbls Lightning 17 fluid. Treat at an ave pressure 3041 psi @ 23.2 BPM. ISIP 3214 psi.

06-16-09 5824-5882' Frac CP3 sands as follows:  
Frac with 60548 #'s of 20/40 sand in 359 bbls Lightning 17 fluid. Treat at an ave pressure of 2539 psi @ 23 BPM. ISIP 2164 psi.

06-26-08 6464-6516' Frac CP2 sands as follows:  
Frac with 80350 #'s of 20/40 sand in 649 bbls Lightning 17 fluid. Treat at an ave pressure of 2035 psi @ 23.1 BPM. ISIP 1642 psi.

06-16-09 5580-5632' Frac A.5 & A3 sands as follows:  
Frac with 29961 #'s 20/40 sand in 245 bbls Lightning 17 fluid. Treat at an ave pressure of 2260 psi @ 23 BPM. ISIP 2260 psi.

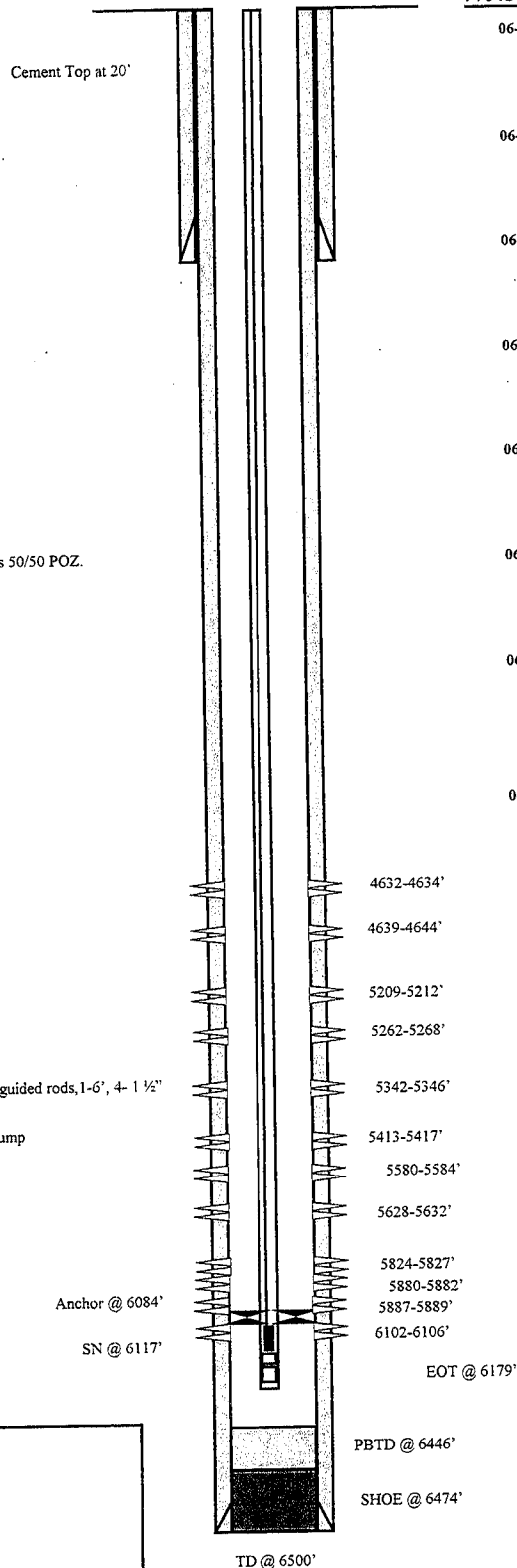
06-16-09 5342-5417' Frac B.5 & B1 sands as follows:  
Frac with 24876 #'s 20/40 sand in 205 bbls Lightning 17 fluid. Treat at an ave pressure of 2453 psi @ 23 BPM. ISIP 2188 psi.

06-16-09 5262-5212' Frac C & D3 sands as follows:  
Frac with 70275 #'s 20/40 sand in 358 bbls Lightning 17 fluid. Treat at an ave pressure of 2389 psi @ 26 BPM. ISIP 3502 psi.

06-16-09 4632-4644' Frac GB6 sands as follows:  
Frac with 71930 #'s 20/40 sand in 391 bbls Lightning 17 fluid. Treat at an ave pressure of 2713 psi @ 26 BPM. ISIP 3233 psi.

PERFORATION RECORD

6102-6106'	3 JSPF	12 holes
5887-5889'	3 JSPF	6 holes
5880-5882'	3 JSPF	6 holes
5824-5827'	3 JSPF	9 holes
5628-5632'	3 JSPF	12 holes
5580-5584'	3 JSPF	12 holes
5413-5417'	3 JSPF	12 holes
5342-5346'	3 JSPF	12 holes
5262-5268'	3 JSPF	18 holes
5209-5212'	3 JSPF	9 holes
4639-4644'	3 JSPF	15 holes
4632-4634'	3 JSPF	6 holes

**NEWFIELD**

Travis Federal G-34-8-16  
1984' FNL & 1959' FWL  
SENW Section 34-T8S-R16E  
Duchesne Co, Utah  
API #43-013-33935; UTU-62848

## Multi-Chem Group, LLC

Multi-Chem Analytical Laboratory  
1553 East Highway 40  
Vernal, UT 84078

### Water Analysis Report

Production Company: **NEWFIELD PRODUCTION (158)**

Sample ID: **WA-35260**

Well Name: **Monument Butte Injection**

Sample Point: **Before Desilter**

Sample Date: **1/1/2010**

Sales Rep: **Randy Huber**

Lab Tech: **John Keel**

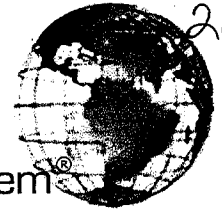
Sample Specifics		Analysis @ Properties in Sample Specifics	
Test Date:	1/5/2010	<b>Cations</b>	<b>mg/L</b>
Temperature (°F):	90	Calcium (Ca):	40.00
Sample Pressure (psig):	0	Magnesium (Mg):	24.40
Specific Gravity (g/cm³):	1.0040	Barium (Ba):	14.00
pH:	9.1	Strontium (Sr):	-
Turbidity (NTU):	-	Sodium (Na):	4139.00
		Potassium (K):	-
		Iron (Fe):	2.29
		Manganese (Mn):	0.15
		Lithium (Li):	-
		Aluminum (Al):	-
		Ammonia NH₃:	-
		<b>Anions</b>	<b>mg/L</b>
		Chloride (Cl):	6000.00
		Sulfate (SO₄):	140.00
		Dissolved CO₂:	-
		Bicarbonate (HCO₃):	780.00
		Carbonate (CO₃):	-
		H₂S:	-
		Phosphate (PO₄):	-
		Silica (SiO₂):	-
		Fluoride (F):	-
		Nitrate (NO₃):	-
		Lead (Pb):	-
		Zinc (Zn):	-
		Bromine (Br):	-
		Boron (B):	-
Calculated T.D.S. (mg/L):	11140		
Molar Conductivity (µS/cm):	16879		
Resistivity (Mohm):	0.5925		

Test Conditions		Scale Values @ Test Conditions - Potential Amount of Scale in lb/1000bbl										
		Calcium Carbonate		Gypsum		Calcium Sulfate		Strontium Sulfate		Barium Sulfate		Calculated CO <sub>2</sub>
		CaCO <sub>3</sub>		CaSO <sub>4</sub> · 2H <sub>2</sub> O		CaSO <sub>4</sub>		SrSO <sub>4</sub>		BaSO <sub>4</sub>		
Temp °F	Gauge Press. psi	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	psi
90	0	23.17	69.04	0.00	-2379.40	0.00	-2621.80	-	-	55.12	23.32	0.01
80	0	21.03	68.87	0.00	48.75	0.00	-2691.60	-	-	68.23	23.41	0.01
100	0	24.91	68.69	0.00	51.91	0.00	-2527.60	-	-	44.78	23.21	0.01
120	0	27.06	67.47	0.00	53.11	0.00	-2284.10	-	-	30.04	22.93	0.01
140	0	27.53	66.01	0.00	53.00	0.00	-1996.20	-	-	20.54	22.53	0.01
160	0	26.44	63.35	0.01	51.01	0.01	-1694.10	-	-	14.28	21.97	0.01
180	0	24.21	57.33	0.01	46.14	0.01	-1400.70	-	-	10.07	21.21	0.01
200	0	21.32	48.01	0.01	38.70	0.01	-1130.70	-	-	7.20	20.18	0.01
220	2.51	18.08	38.69	0.01	30.92	0.02	-903.37	-	-	5.11	18.72	0.01
240	10.3	15.10	30.38	0.01	23.66	0.03	-698.20	-	-	3.72	16.87	0.01
260	20.76	12.37	23.68	0.01	17.47	0.04	-526.95	-	-	2.73	14.44	0.01
280	34.54	9.96	18.46	0.01	12.31	0.07	-387.36	-	-	2.01	11.26	0.01
300	52.34	7.88	14.42	0.01	8.07	0.11	-276.02	-	-	1.48	7.11	0.01

#### Conclusions:

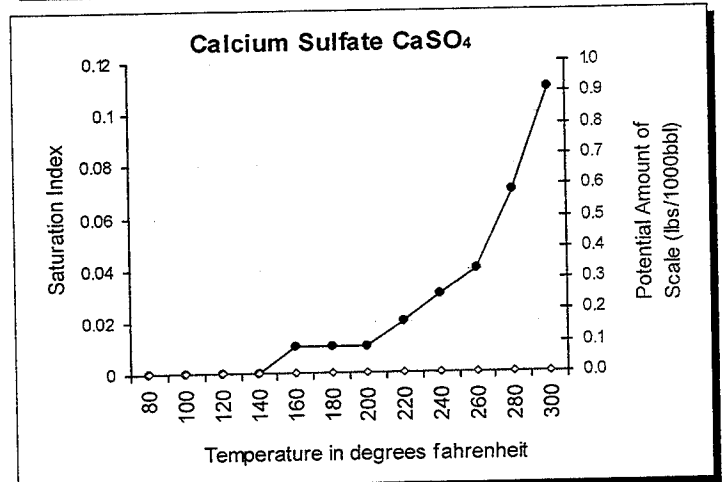
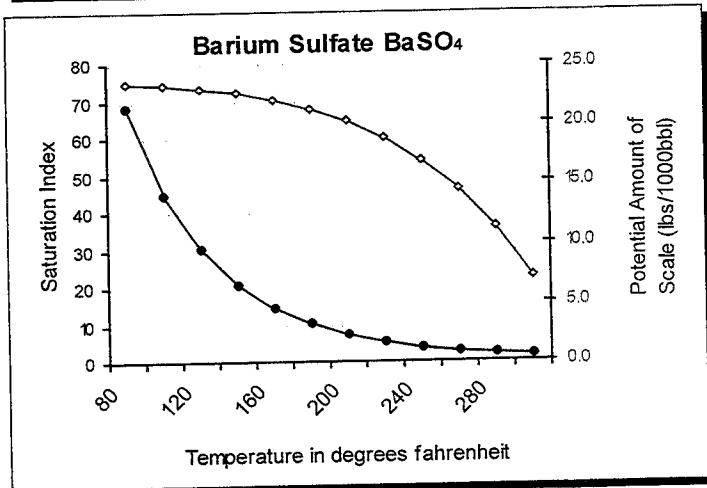
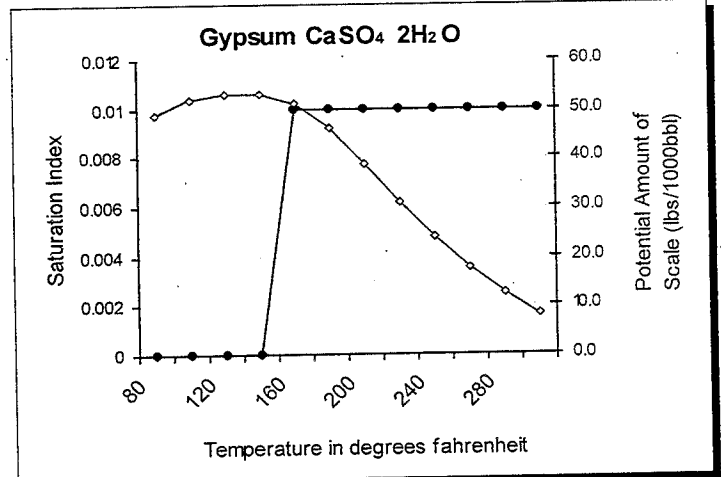
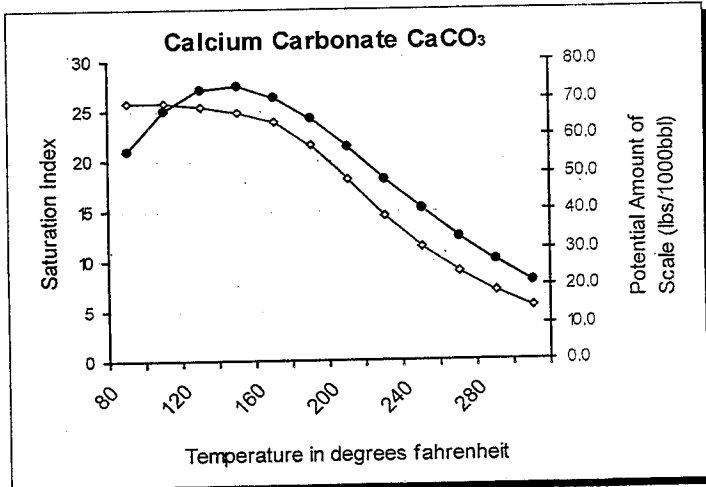
Calcium Carbonate scale is indicated at all temperatures from 80°F to 300°F  
Gypsum Scaling Index is negative from 80°F to 300°F  
Calcium Sulfate Scaling Index is negative from 80°F to 300°F  
Strontium Sulfate scaling was not evaluated  
Barium Sulfate scale is indicated at all temperatures from 80°F to 300°F

#### Notes:

**Multi-Chem Group, LLC**

Multi-Chem Analytical Laboratory  
1553 East Highway 40  
Vernal, UT 84078

multi-chem®

**Scale Prediction Graphs**Well Name: **Monument Butte Injection**Sample ID: **WA-35260**

**Multi-Chem Group, LLC**

Multi-Chem Analytical Laboratory  
1553 East Highway 40  
Vernal, UT 84078

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**Water Analysis Report**Production Company: **NEWFIELD PRODUCTION (158)**Sample ID: **WA-46347**Well Name: **Monument Butte 4-34-8-16**Sample Point: **Treater**Sample Date: **9 / 7 / 2010**Sales Rep: **Monty Frost**Lab Tech: **John Keel**

Sample Specifics		Analysis @ Properties in Sample Specifics	
Test Date:	9/7/2010	<b>Cations</b>	<b>mg/L</b>
Temperature (°F):	160	Calcium (Ca):	6.80
Sample Pressure (psig):		Magnesium (Mg):	1.40
Specific Gravity (g/cm³):	1.0050	Barium (Ba):	2.60
pH:	8.1	Strontium (Sr):	-
Turbidity (NTU):	-	Sodium (Na):	3141.00
		Potassium (K):	-
		Iron (Fe):	0.05
		Manganese (Mn):	0.04
		Lithium (Li):	-
		Aluminum (Al):	-
		Ammonia NH₃:	-
Calculated T.D.S. (mg/L):	8664	<b>Anions</b>	<b>mg/L</b>
Molar Conductivity (µS/cm):	13127	Chloride (Cl):	4000.00
Resistivity (Mohm):	0.7618	Sulfate (SO₄):	48.00
		Dissolved CO₂:	-
		Bicarbonate (HCO₃):	1464.00
		Carbonate (CO₃):	-
		H₂S:	-
		Phosphate (PO₄):	-
		Silica (SiO₂):	-
		Fluoride (F):	-
		Nitrate (NO₃):	-
		Lead (Pb):	-
		Zinc (Zn):	-
		Bromine (Br):	-
		Boron (B):	-

Test Conditions		Scale Values @ Test Conditions - Potential Amount of Scale in lb/1000bbl										
		Calcium Carbonate		Gypsum		Calcium Sulfate		Strontium Sulfate		Barium Sulfate		Calculated
		CaCO <sub>3</sub>		CaSO <sub>4</sub> · 2H <sub>2</sub> O		CaSO <sub>4</sub>		SrSO <sub>4</sub>		BaSO <sub>4</sub>		
Temp °F	Gauge Press. psi	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	Sat Index	Scale	psi
160		2.60	5.83	0.00	-1785.90	0.00	-1616.00	-	-	1.20	0.71	0.30
80	0	1.22	1.78	0.00	-9.83	0.00	-2534.90	-	-	5.56	3.60	0.15
100	0	1.60	3.90	0.00	-5.85	0.00	-2381.30	-	-	3.67	3.18	0.18
120	0	1.97	5.06	0.00	-3.27	0.00	-2156.60	-	-	2.48	2.59	0.20
140	0	2.31	5.64	0.00	-1.66	0.00	-1892.50	-	-	1.71	1.79	0.23
160	0	2.60	5.83	0.00	-0.74	0.00	-1616.00	-	-	1.20	0.71	0.25
180	0	2.83	5.79	0.00	-0.26	0.00	-1347.40	-	-	0.86	-0.71	0.28
200	0	2.97	5.68	0.00	-0.05	0.00	-1100.40	-	-	0.62	-2.53	0.28
220	2.51	3.01	5.56	0.00	0.02	0.00	-891.88	-	-	0.45	-5.01	0.28
240	10.3	2.99	5.45	0.00	0.02	0.00	-704.71	-	-	0.33	-7.97	0.28
260	20.76	2.91	5.37	0.00	-0.02	0.00	-548.69	-	-	0.25	-11.61	0.29
280	34.54	2.77	5.27	0.00	-0.09	0.00	-421.40	-	-	0.19	-16.06	0.29
300	52.34	2.58	5.12	0.00	-0.18	0.01	-319.35	-	-	0.14	-21.44	0.30

**Conclusions:**

Calcium Carbonate scale is indicated at all temps from 80°F to 300°F  
Gypsum Scaling Index is negative from 80°F to 300°F  
Calcium Sulfate Scaling Index is negative from 80°F to 300°F  
Strontium Sulfate scaling was not evaluated  
Barium Sulfate NO CONCLUSION

**Notes:**

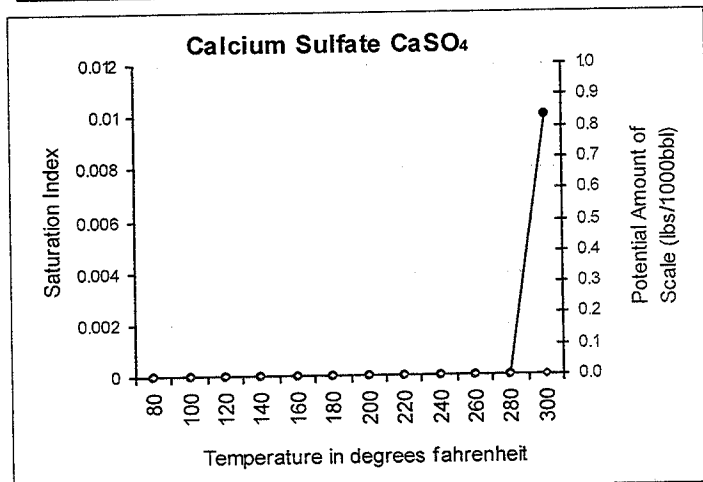
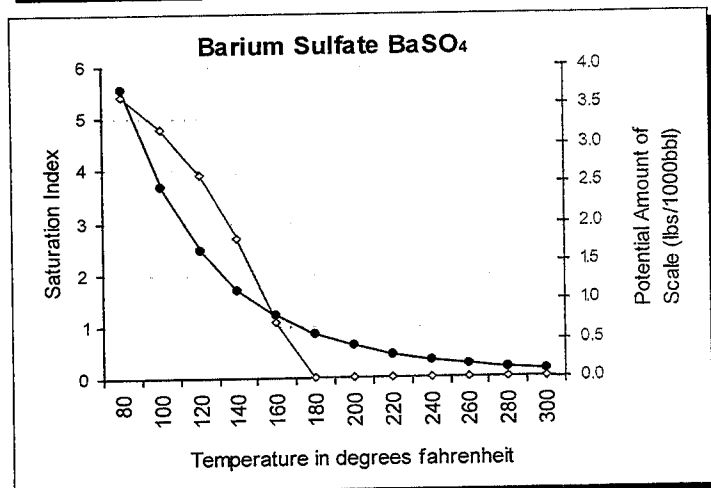
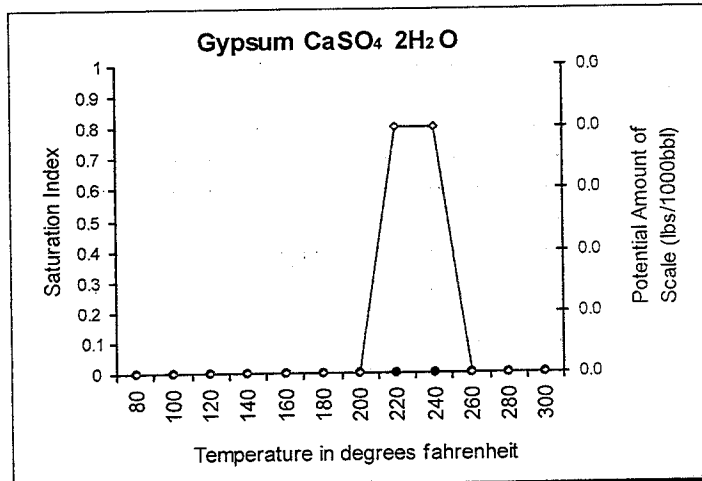
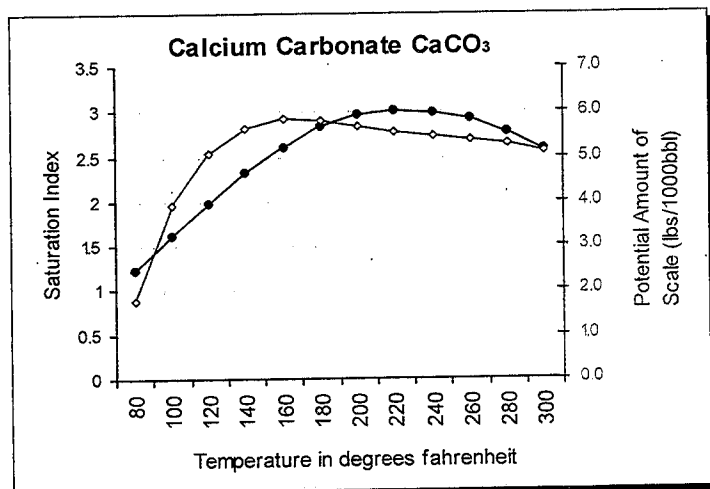
**Multi-Chem Group, LLC**

Multi-Chem Analytical Laboratory

1553 East Highway 40

Vernal, UT 84078

multi-chem®

**Scale Prediction Graphs**Well Name: **Monument Butte 4-34-8-16**Sample ID: **WA-46347**

**Attachment "G"**

**Monument Butte Federal #4-34I-8-16  
Proposed Maximum Injection Pressure**

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
5796	6100	5948	2086	0.79	2048 ←
5469	5498	5484	2352	0.86	2316
5065	5088	5077	2713	0.97	2680
4529	4552	4541	2480	0.98	2451
				<b>Minimum</b>	<u>2048</u>

Calculation of Maximum Surface Injection Pressure  

$$P_{max} = (\text{Frac Grad} - (0.433 \times 1.015)) \times \text{Depth of Top Perf}$$
 where pressure gradient for the fresh water is .433 psi/ft and  
 specific gravity of the injected water is 1.015.

$$\text{Frac Gradient} = (\text{ISIP} + (0.433 \times \text{Top Perf.})) / \text{Top Perf.}$$

**Please note:** These are existing perforations; additional perforations may be added during the actual conversion procedure.



ATTACHMENT G-1

10814

## DAILY COMPLETION REPORT

WELL NAME Monument Butte Fed 4-34 (I) Report Date 11/7/96 Completion Day 1  
Present Operation Prep to perf "LDC" & "CP" sd Rig Basin #2

## WELL STATUS

Surf Csg: 8-5/8 @ 305 Liner        @        Prod Csg 5-1/2 @ 6160 Csg PBTB 6115  
Tbg: Size 2-7/8 Wt 6.5 Grd M-50 Pkr/EOT @        BP/Sand PBTB:       

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots

## CHRONOLOGICAL OPERATIONS

Date Work Performed: 11/6/96 SITP: 0 SICP: 0

MIRU Basin #2. PU & TIH w/5-1/2" csg scraper & 2-7/8" 6.5# M-50 tbg. Tag PBTB @ 6115'. NU BOP. Press test csg to 3000 psi. RU swb. IFL @ sfc, made 9 runs, rec 104 BW, FFL @ 4800'. SIFN.

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered	<u>0</u>	Starting oil rec to date	<u>0</u>
Fluid lost/recovered today	<u>0</u>	Oil lost/recovered today	<u>0</u>
Ending fluid to be recovered	<u>0</u>	Cum oil recovered	<u>0</u>
IFL <u>      </u> FFL <u>      </u> FTP <u>      </u>		Choke <u>      </u> Final Fluid Rate <u>      </u> Final oil cut <u>      </u>	

## STIMULATION DETAIL

Base Fluid used:        Job Type:         
Company:         
Procedure:       

## COSTS

Basin-rig	1,580
BOP	145
Tanks	25
Trucking	700
Wtr	250
Anchors	700
Location Clean up	200
IPC-supervision	200

Max TP        Max Rate        Total fluid pmpd:         
Avg TP        Avg Rate        Total Prop pmpd:         
ISIP        5 min        10 min        15 min         
Completion Supervisor: Brad Mecham

DAILY COST: \$3,800  
TOTAL WELL COST: \$155,335





ATTACHMENT G-1  
2 of 14

### DAILY COMPLETION REPORT

WELL NAME Monument Butte Fed 4-34 (I) Report Date 11/8/96 Completion Day 2  
Present Operation Prep to perf "A" sd Rig Basin #2

#### WELL STATUS

Surf Csg: 8-5/8 @ 305 Liner @ Prod Csg 5-1/2 @ 6160 Csg PBTD 6115  
Tbg: Size 2-7/8 Wt 6.5 Grd M-50 Pkr/EOT @ BP/Sand PBTD:

#### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
LDC	5796-5800'	4/16	CP	6014-15'	4/4
CP	5924-26'	4/8	CP	6097-6100'	4/12
CP	6003-04'	4/4			
CP	6006-10'	4/16			

#### CHRONOLOGICAL OPERATIONS

Date Work Performed: 11/7/96 SITP: 0 SICP: 0  
RU swb. IFL @ 4800', made 1 run, rec 15 BW, FFL @ 5300'. TOH LD scraper. RU Western Atlas & PERF "LDC"  
SD @ 5796-5800' & "CP" SD @ 5924-26', 6003-04', 6006-10', 6014-15', 6097-6100' W/4 JSPF. NU treesaver.  
RU Halliburton & frac "LDC" & "CP" sd w/127,500# of 20/40 sd in 748 bbls of Boragel. Break dn @ 3730 psi.  
Treated @ ave rate of 36 bpm w/ave press of 2200 psi. ISIP: 2086 psi, 5 min: 1997 psi. Flowback on 12/64" ck  
for 6 hrs & died. Rec 270 BTF. SIFN. Est 478 BWTR.

#### FLUID RECOVERY (BBLs)

Starting fluid load to be recovered	<u>748</u>	Starting oil rec to date	<u>0</u>		
Fluid lost/recovered today	<u>270</u>	Oil lost/recovered today	<u>0</u>		
Ending fluid to be recovered	<u>478</u>	Cum oil recovered	<u>0</u>		
IFL	FFL	FTP	Choke	Final Fluid Rate	Final oil cut

#### STIMULATION DETAIL

Base Fluid used: Boragel Job Type: Sand Frac  
Company: Halliburton  
Procedure: 5000 gal pad  
3000 gal w/1-5 PPG of 20/40 sd  
14000 gal w/5-8 PPG of 20/40 sd  
3706 gal w/8-10 PPG of 20/40 sd  
Flush w/5733 gal of 10# linear gel

#### COSTS

Basin-rig	1,185
BOP	145
Tanks	75
Wtr	550
HO trk	735
Frac	23,985
Flowback-super	100
IPC-supervision	200

Max TP	<u>3730</u>	Max Rate	<u>40</u>	Total fluid pmpd:	<u>748 bbls</u>
Avg TP	<u>2200</u>	Avg Rate	<u>36</u>	Total Prop pmpd:	<u>127,500#</u>
ISIP	<u>2086</u>	5 min	<u>1997</u>	10 min	<u>15 min</u>
Completion Supervisor:	<u>Brad Mecham</u>				

DAILY COST:	<u>\$26,975</u>
TOTAL WELL COST:	<u>\$182,310</u>



ATTACHMENT G-1  
3 of 14

### DAILY COMPLETION REPORT

**WELL NAME** Monument Butte Fed 4-34 (I) **Report Date** 11/10/96 **Completion Day** 3  
**Present Operation** Prep to frac "A" sd **Rig** Basin #2

#### WELL STATUS

**Surf Csg:** 8-5/8 @ 305 **Liner**          @          **Prod Csg** 5-1/2 @ 6160 **Csg PBTD** 6115  
**Tbg:** **Size** 2-7/8 **Wt** 6.5 **Grd** M-50 **Pkr/EOT @** 5570 **BP/Sand PBTD:** 5600

#### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
LDC	5796-5800'	4/16	CP	6014-15'	4/4
CP	5924-26'	4/8	CP	6097-6100'	4/12
CP	6003-04'	4/4	A	5469-72'	4/12
CP	6006-10'	4/16	A	5491-98'	4/28

#### CHRONOLOGICAL OPERATIONS

**Date Work Performed:** 11/9/96 **SITP:**          **SICP** 50

Bleed press off well. TIH w/RBP. Set plug @ 5600'. Press test plug to 3000 psi. RU swb. IFL @ sfc, made 8 runs, rec 105 BTF. TOH w/tbg. RU Western Atlas & PERF "A" SD @ 5469-72', 5491-98' W/4 JSPF. TIH w/tbg to 5570'. RU swb. Made 4 runs, rec 10 BTF, FFL @ 5450'. SIFN. Est 363 BWTR.

#### FLUID RECOVERY (BBLs)

Starting fluid load to be recovered	<u>478</u>	Starting oil rec to date	<u>0</u>
Fluid lost/recovered today	<u>115</u>	Oil lost/recovered today	<u>0</u>
Ending fluid to be recovered	<u>363</u>	Cum oil recovered	<u>0</u>
IFL <u>        </u>	FFL <u>        </u>	FTP <u>        </u>	Choke <u>        </u>
		Final Fluid Rate	<u>        </u>
		Final oil cut	<u>        </u>

#### STIMULATION DETAIL

**Base Fluid used:**          **Job Type:**           
**Company:**           
**Procedure:**         

#### COSTS

Basin-rig	<u>1,355</u>
BOP	<u>145</u>
Tanks	<u>75</u>
Plug	<u>765</u>
Perfs	<u>1,295</u>
IPC-supervision	<u>200</u>

**Max TP**          **Max Rate**          **Total fluid pmpd:**           
**Avg TP**          **Avg Rate**          **Total Prop pmpd:**           
**ISIP**          **5 min**          **10 min**          **15 min**           
**Completion Supervisor:** Brad Mecham

**DAILY COST:** \$3,835  
**TOTAL WELL COST:** \$186,145



ATTACHMENT G-1  
4 of 14

### DAILY COMPLETION REPORT

WELL NAME Monument Butte Fed 4-34 (I) Report Date 11/12/96 Completion Day 4  
Present Operation Perforate "D-2" sand Rig Basin #2

#### WELL STATUS

Surf Csg: 8-5/8 @ 305 Liner          @          Prod Csg 5-1/2 @ 6160 Csg PBDT 6115  
Tbg: Size 2-7/8 Wt 6.5 Grd M-50 LS Pkr/EOT @          BP/Sand PBDT: 5600

#### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
LDC	5796-5800'	4/16	CP	6014-15'	4/4
CP	5924-26'	4/8	CP	6097-6100'	4/12
CP	6003-04'	4/4	A	5469-72'	4/12
CP	6006-10'	4/16	A	5491-98'	4/28

#### CHRONOLOGICAL OPERATIONS

Date Work Performed: 11/11/96 SITP:          SICP 300

Bleed gas off well. RU swb. IFL @ 5300', made 1 run w/no fluid recovery, FFL @ 5300'. TOH w/tbg. NU treesaver. RU Halliburton & frac "A" sd w/95,000# of 20/40 sd in 542 bbls of Boragel. Break dn @ 3024 psi. Treated @ ave rate of 22.2 bpm w/ave press of 1800 psi. ISIP: 2352 psi, 5 min: 2255 psi. Flowback on 12/64" ck for 4 hrs & died. Rec 125 BTF. SIFN. Est 780 BWTR.

#### FLUID RECOVERY (BBLs)

Starting fluid load to be recovered	<u>363</u>	Starting oil rec to date	<u>0</u>
Fluid lost/recovered today	<u>417</u>	Oil lost/recovered today	<u>0</u>
Ending fluid to be recovered	<u>780</u>	Cum oil recovered	<u>0</u>
IFL <u>        </u> FFL <u>        </u> FTP <u>        </u>		Choke <u>        </u> Final Fluid Rate <u>        </u>	Final oil cut <u>        </u>

#### STIMULATION DETAIL

Base Fluid used: Boragel Job Type: Sand Frac  
Company: Halliburton  
Procedure:           
3500 gal pad  
1000 gal w/1-5 PPG of 20/40 sd  
10000 gal w/5-8 PPG of 20/40 sd  
2841 gal w/8-10 PPG of 20/40 sd  
Flush w/5419 gal of 10# linear gel

#### COSTS

Basin-rig	<u>780</u>
BOP	<u>145</u>
Tanks	<u>75</u>
HO trk	<u>690</u>
Frac	<u>19,805</u>
Flowback-super	<u>100</u>
Wtr	<u>400</u>
IPC-supervision	<u>200</u>

Max TP	<u>3044</u>	Max Rate	<u>22.8</u>	Total fluid pmpd:	<u>542 bbls</u>
Avg TP	<u>1800</u>	Avg Rate	<u>22.2</u>	Total Prop pmpd:	<u>95,000#</u>
ISIP	<u>2352</u>	5 min	<u>2255</u>	10 min	<u>        </u>
Completion Supervisor:	<u>Brad Mecham</u>				

DAILY COST:	<u>\$22,195</u>
TOTAL WELL COST:	<u>\$208,340</u>

ATTACHMENT G-1  
5 of 14

## DAILY COMPLETION REPORT

WELL NAME Monument Butte Fed 4-34 (I) Report Date 11/13/96 Completion Day 5  
Present Operation Frac "D-2" sand Rig Basin #2

## WELL STATUS

Surf Csg: 8-5/8 @ 305 Liner 6.5 @ Prod Csg 5-1/2 @ 6160 Csg PBTB 6115  
Tbg: Size 2-7/8 Wt Grd M-50 LS Pkr/EOT @ 5132 BP/Sand PBTB: 5600/5165

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
LDC	5796-5800'	4/16	A	5469-72'	4/12
CP	5924-26'	4/8	A	5491-98'	4/28
CP	6003-04'	4/4	D-2	5065-67'	4/8
CP	6006-10'	4/16	D-2	5070-76'	4/24
CP	6014-15'	4/4	D-2	5078-81'	4/12
CP	6097-6100'	4/12	D-2	5083-88'	4/20

## CHRONOLOGICAL OPERATIONS

Date Work Performed: 11/12/96 SITP: SICP 0

TIH w/RBP. Set plug @ 5165'. Press test plug to 3000 psi. RU swb. IFL @ sfc, made 10 runs, rec 97 BTF, FFL @ 4500'. TOH w/tbg. RU Western Atlas & PERF "D-2" SD @ 5065-67', 5070-76', 5078-81', 5083-88' W/4 JSPF. TIH w/tbg to 5132'. RU swb. IFL @ 4500', made 4 runs, rec 8 BTF, FFL @ 4900'. SIFN. Est 675 BWTR.

## FLUID RECOVERY (BBLS)

Starting fluid load to be recovered	<u>780</u>	Starting oil rec to date	<u>0</u>
Fluid lost/recovered today	<u>105</u>	Oil lost/recovered today	<u>0</u>
Ending fluid to be recovered	<u>675</u>	Cum oil recovered	<u>0</u>
IFL <u>        </u> FFL <u>        </u> FTP <u>        </u>		Choke <u>        </u> Final Fluid Rate <u>        </u>	Final oil cut <u>        </u>

## STIMULATION DETAIL

Base Fluid used:          Job Type:           
Company:           
Procedure:         

## COSTS

Basin-rig	<u>1,445</u>
BOP	<u>145</u>
Tanks	<u>75</u>
Perfs	<u>1,855</u>
BV plug	<u>765</u>
IPC-supervision	<u>200</u>

Max TP          Max Rate          Total fluid pmpd:           
Avg TP          Avg Rate          Total Prop pmpd:           
ISIP          5 min          10 min          15 min           
Completion Supervisor: Brad Mecham

DAILY COST: \$4,485  
TOTAL WELL COST: \$212,825

ATTACHMENT G-1  
6 of 14

## DAILY COMPLETION REPORT

WELL NAME Monument Butte Fed 4-34 (I) Report Date 11/14/96 Completion Day 6  
Present Operation Pull RBP's Rig Basin #2

## WELL STATUS

Surf Csg: 8-5/8 @ 305 Liner @ Prod Csg 5-1/2 @ 6160 Csg PBDT: 6115  
Tbg: Size 2-7/8 Wt 6.5 Grd M-50 LS Pkr/EOT @ BP/Sand PBDT: 5600/5165

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
LDC	5796-5800'	4/16	A	5469-72'	4/12
CP	5924-26'	4/8	A	5491-98'	4/28
CP	6003-04'	4/4	D-2	5065-67'	4/8
CP	6006-10'	4/16	D-2	5070-76'	4/24
CP	6014-15'	4/4	D-2	5078-81'	4/12
CP	6097-6100'	4/12	D-2	5083-88'	4/20

## CHRONOLOGICAL OPERATIONS

Date Work Performed: 11/13/96 SITP: SICP 300

RU swb. IFL @ 4800', made 1 run, rec 1 BTF, FFL @ 4900'. TOH w/tbg. NU treesaver. RU Halliburton & frac "D-2" sd w/94,800# of 20/40 sd in 507 bbls of Boragel. Break dn @ 2209 psi. Treated @ ave rate of 23 bpm w/ave press of 1750 psi. ISIP: 2713 psi, 5 min: 2591 psi. Flowback on 12/64" ck for 5-1/2 hrs & died. Rec 180 BTF. SIFN. Est 1001 BWTR.

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered	<u>675</u>	Starting oil rec to date	<u>0</u>
Fluid lost/recovered today	<u>326</u>	Oil lost/recovered today	<u>0</u>
Ending fluid to be recovered	<u>1001</u>	Cum oil recovered	<u>0</u>
IFL <u>        </u> FFL <u>        </u> FTP <u>        </u>		Choke <u>        </u> Final Fluid Rate <u>        </u> Final oil cut <u>        </u>	

## STIMULATION DETAIL

Base Fluid used: Boragel Job Type: Sand Frac  
Company: Halliburton  
Procedure:           
3000 gal pad  
1000 gal w/1-5 PPG of 20/40 sd  
10000 gal w/5-8 PPG of 20/40 sd  
2319 gal w/8-10 PPG of 20/40 sd  
Flush w/4988 gal of 10# linear gel

## COSTS

Basin-rig	<u>1,010</u>
BOP	<u>145</u>
Tanks	<u>75</u>
Wtr	<u>400</u>
HO trk	<u>625</u>
Frac	<u>19,520</u>
Flowback-super	<u>100</u>
IPC-supervision	<u>200</u>

Max TP	<u>3200</u>	Max Rate	<u>25</u>	Total fluid pmpd:	<u>507 bbls</u>
Avg TP	<u>1750</u>	Avg Rate	<u>23</u>	Total Prop pmpd:	<u>94,800#</u>
ISIP	<u>2713</u>	5 min	<u>2591</u>	10 min	<u>        </u>
Completion Supervisor:	<u>Brad Mecham</u>				

DAILY COST:	<u>\$22,075</u>
TOTAL WELL COST:	<u>\$234,900</u>



ATTACHMENT G-1  
7 of 14

### DAILY COMPLETION REPORT

WELL NAME Monument Butte Fed 4-34 (I) Report Date 11/15/96 Completion Day 7  
Present Operation Swab test well Rig Basin #2

#### WELL STATUS

Surf Csg: 8-5/8 @ 305 Liner          @          Prod Csg 5-1/2 @ 6160 Csg PBTD 6115  
Tbg:          Size 2-7/8 Wt 6.5 Grd M-50 LS Pkr/EOT @ 5750 BP/Sand PBTD: 6119

#### PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
LDC	5796-5800'	4/16	A	5469-72'	4/12
CP	5924-26'	4/8	A	5491-98'	4/28
CP	6003-04'	4/4	D-2	5065-67'	4/8
CP	6006-10'	4/16	D-2	5070-76'	4/24
CP	6014-15'	4/4	D-2	5078-81'	4/12
CP	6097-6100'	4/12	D-2	5083-88'	4/20

#### CHRONOLOGICAL OPERATIONS

Date Work Performed: 11/14/96 SITP:          SICP 0  
TIH w/RH. Tag sd @ 5055'. Clean out to RBP @ 5165'. Release plug. TOH LD plug. TIH w/new RH. Tag sd @ 5285'. Clean out to RBP @ 5600'. Release plug. TOH LD plug. TIH w/NC. Tag sd @ 5930'. Clean out to PBTD @ 6119'. TOH to 5750'. Lost 60 BW during circ. SIFN. Est 1061 BWTR.

#### FLUID RECOVERY (BBLs)

Starting fluid load to be recovered 1001 Starting oil rec to date 0  
Fluid lost/recovered today 60 Oil lost/recovered today 0  
Ending fluid to be recovered 1061 Cum oil recovered 0  
IFL          FFL          FTP          Choke          Final Fluid Rate          Final oil cut         

#### STIMULATION DETAIL

Base Fluid used:          Job Type:         

Company:         

Procedure:         

#### COSTS

Basin-rig 1,525  
BOP 145  
Tanks 75  
Wtr hauling 100  
Wtr disposal 600  
IPC-supervision 200

Max TP          Max Rate          Total fluid pmpd:           
Avg TP          Avg Rate          Total Prop pmpd:           
ISIP          5 min          10 min          15 min         

Completion Supervisor: Brad Mecham

DAILY COST: \$2,645

TOTAL WELL COST: \$237,545



ATTACHMENT

G-1  
8 of 14

## DAILY COMPLETION REPORT

WELL NAME Monument Butte Fed 4-34 (I) Report Date 11/16/96 Completion Day 8  
Present Operation Run prod tbg, place on production Rig Basin #2

## WELL STATUS

Surf Csg: 8-5/8 @ 305 Liner          @          Prod Csg 5-1/2 @ 6160 Csg PBTD 6115  
Tbg: Size 2-7/8 Wt 6.5 Grd M-50 LS Pkr/EOT @ 5750 BP/Sand PBTD: 6116

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
LDC	5796-5800'	4/16	A	5469-72'	4/12
CP	5924-26'	4/8	A	5491-98'	4/28
CP	6003-04'	4/4	D-2	5065-67'	4/8
CP	6006-10'	4/16	D-2	5070-76'	4/24
CP	6014-15'	4/4	D-2	5078-81'	4/12
CP	6097-6100'	4/12	D-2	5083-88'	4/20

## CHRONOLOGICAL OPERATIONS

Date Work Performed: 11/15/96 SITP: 0 SICP: 0  
RU swb. IFL @ sfc, made 27 runs, rec 400 BTF (est 339 BW, 61 BO) w/tr of sd, FFL @ 1000'. FOC 40%. TIH.  
Tag sd @ 6116' (3' of fill). TOH to 5750'. Well started flowing up csg. RU & flow to prod tanks. SIFN. Est 722 BWTR.

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered 1061 Starting oil rec to date 0  
Fluid lost/recovered today 339 Oil lost/recovered today 61  
Ending fluid to be recovered 722 Cum oil recovered 61  
IFL sfc FFL 1000 FTP          Choke          Final Fluid Rate          Final oil cut 40%

## STIMULATION DETAIL

Base Fluid used:          Job Type:           
Company:           
Procedure:         

## COSTS

Basin-rig 1,575  
BOP 145  
Tanks 25  
Wtr 300  
IPC-supervision 100

Max TP          Max Rate          Total fluid pmpd:           
Avg TP          Avg Rate          Total Prop pmpd:           
ISIP          5 min          10 min          15 min           
Completion Supervisor: Brad Mecham

DAILY COST: \$2,145  
TOTAL WELL COST: \$239,690

ATTACHMENT G-1  
9 of 14

## DAILY COMPLETION REPORT

WELL NAME Monument Butte Fed 4-34 (I) Report Date 11/17/96 Completion Day 9  
Present Operation Well on production Rig Basin #2

## WELL STATUS

Surf Csg: 8-5/8 @ 305 Liner          @          Prod Csg 5-1/2 @ 6160 Csg PBTD 6115  
Tbg: Size 2-7/8 Wt 6.5 Grd M-50 LS Pkr/EOT @ 6016 BP/Sand PBTD: 6115

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
LDC	5796-5800'	4/16	A	5469-72'	4/12
CP	5924-26'	4/8	A	5491-98'	4/28
CP	6003-04'	4/4	D-2	5065-67'	4/8
CP	6006-10'	4/16	D-2	5070-76'	4/24
CP	6014-15'	4/4	D-2	5078-81'	4/12
CP	6097-6100'	4/12	D-2	5083-88'	4/20

## CHRONOLOGICAL OPERATIONS

Date Work Performed: 11/16/96 SITP: 100 SICIP 400 (flowing)

Well flowing up csg @ 400#. Rec 221 BTF overnight (est 50% oil). Pmp 40 bbls KCl wtr dn csg to control well. TIH w/tbg. Tag sd @ 6115'. TOH. TIH w/BHA. Well trying to flow. Pmp 40 BW dn tbg. TIH to 3500'. Well started flowing. Pmp 40 BW dn tbg. Finish TIH w/prod string as follows: BP, 2 jts tbg, 6' perf sub, SN, 7 jts tbg, TA & 184 jts 2-7/8" 6.5# M-50 tbg. Landed w/TA @ 5725', SN @ 5946', EOT @ 6016'. ND BOP. Set TA w/10,000# tension. RU wellhead. Well started flowing. Pmp 10 BW dn tbg. TIH w/rods as follows: 2-1/2 x 1-1/2 x 15 RHAC pmp, 8 - 1" guided rods, 4 - 3/4" guided rods, 133 - 3/4" slick rods, 92 - 3/4" scraped rods, 1 - 10', 1 - 4', 1 - 2' x 3/4" pony rods & 1-1/2 x 22' polished rod. Test pmp to 500 psi. **PLACE WELL ON PRODUCTION @ 4:00 PM, 11/16/96 W/63" SL @ 9 SPM.** Est 676 BWTR.

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered	<u>722</u>	Starting oil rec to date	<u>61</u>
Fluid lost/recovered today	<u>46</u>	Oil lost/recovered today	<u>176</u>
Ending fluid to-be-recovered	<u>676</u>	Cum oil recovered	<u>237</u>
IFL <u>        </u> FFL <u>        </u> FTP <u>        </u>		Choke <u>        </u> Final Fluid Rate <u>        </u>	Final oil cut <u>50%</u>

## STIMULATION DETAIL

Base Fluid used:          Job Type:         

Company:         

Procedure:         

Max TP          Max Rate          Total fluid pmpd:         

Avg TP          Avg Rate          Total Prop pmpd:         

ISIP          5 min          10 min          15 min         

Completion Supervisor: Brad Mecham

## COSTS

Basin-rig	1,480
BOP	145
Tanks	50
Wtr disposal	500
Tbg/TA/SN	15,900
Pmp	950
Rods/Rotator	7,370
Pit Reclaim	1,000
Location cleanup	200
IPC-supervision	200
Sfc Equip	96,330

DAILY COST: \$124,125

TOTAL WELL COST: \$363,815





ATTACHMENT

G-1  
10 of 14

## DAILY COMPLETION REPORT

WELL NAME: MBF #4-34-8-16

Report Date: July 3, 2001

Completion Day: 01

Present Operation: Recompletion

Rig: Ross #14

## WELL STATUS

Surf Csg: 8 5/8" @ 313' Prod Csg: 5 1/2" Wt: 15.5# @ 6150' Csg PBTD: 6119'  
Tbg: Size: 2 7/8" Wt: 6.5# Grd: M-50 Anchor @: BP/Sand PBTD:

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
D-2 sds	5065-67,70-76'	4/32	LDC/CP	5924 -5926'	4/8
D-2 sds	5078-81,83-88	4/32	LDC/CP	6003- 6004	4/4
A-sds	5469 -5472'	4/12	LDC/CP	6006 - 6010	4/16
A-sds	5491 -5498'	4/28	LDC/CP	6014 -6015'	4/4
LDC/CP	5796 - 5800	4/16	LDC/CP	6097 -6100	4/12

## CHRONOLOGICAL OPERATIONS

Date Work Performed: JULY 2, 2001

SITP: 0 SICP: 0

MIRU Ross # 14, RU HO to csg & pump 200 BW @ 225 F\*, unseat rod pump, Flush tbg & rods w/ 60 BW reseat pump.  
Test tbg @ 800 PSI. TOH w/ rod string NU BOP's, TOH w/ tbg, PU bit & scraper, TIH tag sand @ 6088' TOH, SWIFN.

## FLUID RECOVERY (BBLS)

Starting fluid load to be recovered: 0 Starting oil rec to date: 0  
Fluid lost/recovered today: 214 Oil lost/recovered today: 0  
Ending fluid to be recovered: 214 Cum oil recovered: 0  
IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

## STIMULATION DETAIL

Base Fluid used: Job Type:

Company:

Procedure or Equipment detail:

## COSTS

Ross rig #11	\$2,290
Hot oiler	\$665
BOP'S	\$130
IPC	\$200

Max TP: Max Rate: Total fluid pmpd:

Avg TP: Avg Rate: Total Prop pmpd:

ISIP: 5 min: 10 min: 15 min:

Completion Supervisor: Ray Herrera

DAILY COST: \$3,285

TOTAL WELL COST: \$3,285

ATTACHMENT G-1  
11 of 14

## DAILY COMPLETION REPORT

WELL NAME: MBF #4-34-8-16

Report Date: July 5, 2001

Completion Day: 02

Present Operation: Recompletion

Rig: Ross #14

## WELL STATUS

Surf Csg: 8 5/8" @ 313' Prod Csg: 5 1/2" Wt: 15.5# @ 6150' Csg PBTD: 6119'  
Tbg: Size: 2 7/8" Wt: 6.5# Grd: M-50 Anchor @: BP/Sand PBTD:

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB-6 sds	4529 -4552' NEW	4/92	LDC/CP	5924- 5926'	4/8
D-2sds	5065- 67,70-76	4/32	LDC/CP	6003-6004'	4/4
D-2sds	5069- 81,83-88	4/32	LDC/CP	6006 - 6010	4/16
A-sds	5469 -5472'	4/12	LDC/CP	6014 -6015'	4/4
A-sds	5491 -5498'	4/28	LDC/CP	6097 -6100	4/12
LDC/CP	5796 - 5800	4/16			

## CHRONOLOGICAL OPERATIONS

Date Work Performed: JULY 3, 2001

SITP: 0 SICP: 150

RU Schlumberger W L, PU 5 1/2" RBP RIH Set @ 4600' perf new intervals GB-6 sds @ 4529' -4552' 4 SPF. RU BJ services, Fill csg 111 BW & breakdown GB-6 sds 4529' - 4552' @ 2010 psi, injection rate of 6.1BPM. Frac GB-6 sds Pump 97,320# 20/40 sd in 536 bbls Viking 1-25 Treated W/ ave rate of 27.5 BPM W/ ave press of 2130 psi. Flow back immediately @ 2,400 psi @ 1bpm till dead 230 bbls total. SWIFN.

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 214 Starting oil rec to date: 0  
Fluid lost/recovered today: 411 Oil lost/recovered today: 0  
Ending fluid to be recovered: 625 Cum oil recovered: 0  
IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut: 0

## STIMULATION DETAIL

Base Fluid used: Viking 1-25 Job Type: Sand frac  
Company: BJ Services

Procedure or Equipment detail: GB-6 SANDS

5500 gals of pad

4700 w/ 1-5 ppg of 20/40 sand

9000 gals 3-6.5 ppg of 20/40 sand

3333 gals 6.5-8 ppg of 20/40 sand

Flush w/ 4410 gals

.979 F.G.

## COSTS

Ross rig #11	\$1,743
Frac Tank Reantl	
BOP'S	\$130
IPC	\$200
BJ service	\$30,318
Schlumberger	\$3,520
Weatherford - tools / ser.	\$700
Fuel used	

Max TP: 2333 Max Rate: 30.4 Total fluid pmpd: 531

Avg TP: 2130 Avg Rate: 27.5 Total Prop pmpd:

ISIP: 2480 5 min: 10 min: 15 min:

Completion Supervisor: Ray Herrera

DAILY COST: \$36,610

TOTAL WELL COST: \$39,895



ATTACHMENT G-1  
12814

DAILY COMPLETION REPORT

WELL NAME: MBF #4-34-8-16

Report Date: July 6, 2001

Completion Day: 03

Present Operation: Recompletion

Rig: Ross #14

WELL STATUS

Surf Csg: 8 5/8" @ 313' Prod Csg: 5 1/2" Wt: 15.5# @ 6150' Csg PBTD: 6119'  
Tbg: Size: 2 7/8" Wt: 6.5# Grd: M-50 Anchor @: BP/Sand PBTD:

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB-6 sds	4529 -4552' new	4/92			
D-2sds	5065- 67,70-76	4/32	LDC/CP	5924- 5926'	4/8
D-2sds	5069- 81,83-88	4/32	LDC/CP	6003-6004'	4/4
A-sds	5469 -5472'	4/12	LDC/CP	6006 - 6010	4/16
A-sds	5491 -5498'	4/28	LDC/CP	6014 -6015'	4/4
LDC/CP	5796 - 5800	4/16	LDC/CP	6097 -6100	4/12

CHRONOLOGICAL OPERATIONS

Date Work Performed: JULY 5, 2001

SITP: 0 SICP: 100

Bleed gas off well. TIH W/ retiving head, Tag sand @ 4540', Wash down to plug circulate bottoms up, laydown 1jt tbg , RU Swab equipment. Made 24 swab runs last two swab runs very gassy small amount sand. SWIFN. W/ est 371 BWTR.

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 625 Starting oil rec to date: 0  
Fluid lost/recovered today: 254 Oil lost/recovered today: 6  
Ending fluid to be recovered: 371 Cum oil recovered: 6  
IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut: 0

STIMULATION DETAIL

Base Fluid used: Job Type:  
Company:  
Procedure or Equipment detail: GB-6 SANDS

COSTS

Ross rig #11	\$2,439
Weatherford - tools ser.	\$700
BOP'S	\$130
IPC	\$200
IPC wtr truck	\$300

Max TP: Max Rate: Total fluid pmpd:

Avg TP: Avg Rate: Total Prop pmpd:

ISIP: 5 min: 10 min: 15 min:

Completion Supervisor: Ray Herrera

DAILY COST: \$3,769

TOTAL WELL COST: \$43,664



**Rig: Ross #14**

<u>PRODUCTION TBG DETAIL</u>		<u>ROD DETAIL</u>	Ross rig #11	\$1,780
KB	13.00'		Weatherford - tools ser.	\$700
191	2 7/8 J-55 tbg (5937.63')		BOP'S	\$130
	TA (2.80' @ 5950.63' KB)		IPC	\$200
1	2 7/8 J-55 tbg (30.02')		TMTwtr truck	\$300
	SN (1.11' @ 5983.49' KB)		TA & SN	\$900
1	2 7/8 J-55 tbg (28.50')			
	2 7/8 NC (.45')			
EOT	6013.80 W/ 13' KB			
			DAILY COST:	\$4,010
			TOTAL WELL COST:	\$47,674
Completion Supervisor: Ray Herrera				

## DAILY COMPLETION REPORT

**WELL NAME:** MBF #4-34-8-16

**Report Date:** July 8, 2001

**Completion Day: 05**

**Present Operation:** Recompletion

Rig: Ross #14

**WELL STATUS**

Surf Csg:	<u>8 5/8"</u>	@	<u>313'</u>	Prod Csg:	<u>5 1/2"</u>	Wt:	<u>15.5#</u>	@	<u>6150'</u>	Csg PBTD:	<u>6119'</u>
Tbg:	<u>Size: 2 7/8"</u>		Wt:	<u>6.5#</u>	Grd:	<u>M-50</u>	Anchor @:	<u>5950'</u>		BP/Sand PBTD:	<u>6088'</u>

## PERFORATION RECORD

<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>	<u>Zone</u>	<u>Perfs</u>	<u>SPF/#shots</u>
GB-6 sds	4529 -4552' new	4/92	LDC/CP	5924- 5926'	4/8
D-2sds	5065- 67,70-76	4/32	LDC/CP	6003-6004'	4/4
D-2sds	5069- 81,83-88	4/32	LDC/CP	6006 - 6010	4/16
A-sds	5469 -5472'	4/12	LDC/CP	6014 -6015'	4/4
A-sds	5491 -5498'	4/28	LDC/CP	6097 -6100	4/12
LDC/CP	5796 - 5800	4/16			

## CHRONOLOGICAL OPERATIONS

**Date Work Performed:** JULY 7, 2001

SITP: 0 SICP: 200

Flush Tbg with 45 bbls water @ 250 F\*. PU & MU Randy's pump. TIH with rod string as listed below. Seat Pump, space out rods. Rig up Pumping unit. Test tbg to 800 psi. Stroke to 1,000 psi with pump. Place well on production @ 10:00am with 64" stroke @ 6 SPM

Est	328	bbls	water	to	recover.	<b>Final</b>	<b>report.</b>
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### FLUID RECOVERY (BBLS)

Starting fluid load to be recovered:	<u>371</u>	Starting oil rec to date:	<u>36</u>
Fluid lost/recovered today:	<u>43</u>	Oil lost/recovered today:	<u>40</u>
Ending fluid to be recovered:	<u>328</u>	Cum oil recovered:	<u>76</u>
IFL: 2500' FFL: srfc FTP:		Choke:	
		Final Fluid Rate:	
		Final oil cut:	<u>0</u>

## COSTS

[illegible]

**Completion Supervisor:** Ray Herrera

DAILY COST: \$3,790  
TOTAL WELL COST: \$47,674

## ATTACHMENT H

### WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Set CIBP @ 4479'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Plug #2 182' balance plug using 21 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale
4. Plug #3 120' balance plug using 14 sx Class "G" cement 60' above Uinta/Green River and extending 60' below
5. Perforate 4 JSPF @351'
6. Plug #4 Circulate 99 sx Class "G" Cement down 5-1/2" casing and up the 5 1/2" x 8 5/8" annulus

The approximate cost to plug and abandon this well is \$42,000.

## Monument Butte Federal #4-34-8-16

Spud Date: 10/22/96  
Put on Production: 11/16/96  
GL: 5616' KB: 5629'

Initial Production: 98 BOPD,  
79 MCFPD, 12 BWPD

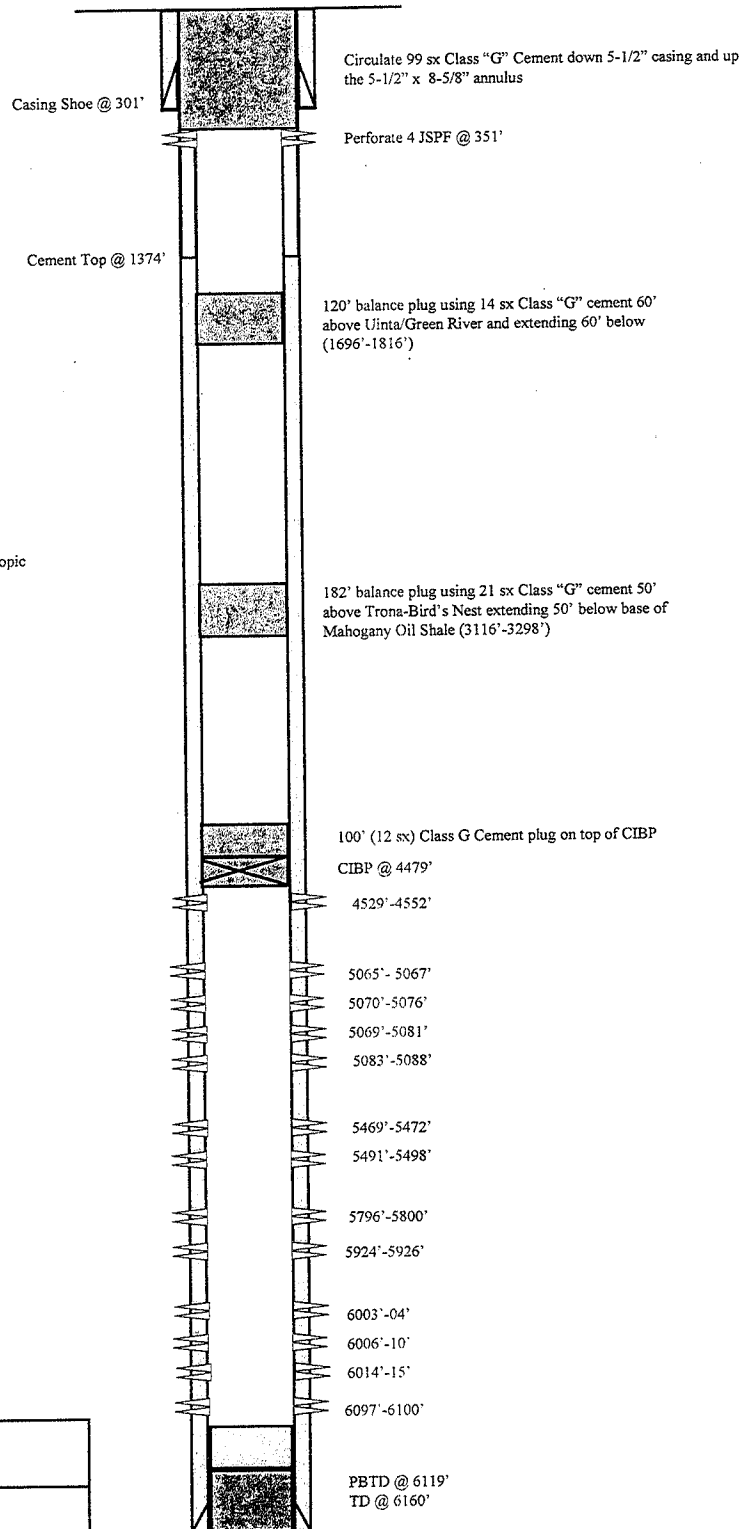
### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 301.17' (10 jts.)  
DEPTH LANDED: 300.57' GL  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 120 sxs Premium cmt, est 6 bbls to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 146 jts. (6172.89')  
DEPTH LANDED: 6160.09'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 380 sk Hibond mixed & 400 sxs thixotropic  
CEMENT TOP AT: 1374' per CBL

### Proposed P & A Wellbore Diagram



**NEWFIELD**

**Monument Butte Federal #4-34**

660 FWL & 660 FNL

NWNW Section 34-T8S-R16E

Duchesne Co, Utah

API #43-013-31669; Lease #UTU-62848

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUBMIT IN TRIPLICATE - Other Instructions on page 2**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630

Myton, UT 84052

3b. Phone (include area code)

435 646 3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

660 FNL 660 FWL

NWNW Section 34 T8S R16E

5. Lease Serial No.

USA UTU-62848

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or

GMBU

8. Well Name and No.

MONUMENT BUTTE FED 4-34 (I)

9. API Well No.

4301331669

10. Field and Pool, or Exploratory Area

GREATER MB UNIT

11. County or Parish, State

DUCHESNE, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	_____
	<input checked="" type="checkbox"/> Convert to Injector	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____

13. Describe Proposed or Completed Operation: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Newfield Production proposes to convert the above mentioned well from a producing oil well to an injection well.

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Eric Sundberg

Signature

Title

Regulatory Lead

Date

11/05/2010

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)



BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-370

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 33 AND 34, TOWNSHIP 8 SOUTH, RANGE 16 EAST, SECTION 15, TOWNSHIP 9 SOUTH, RANGE 15 EAST, AND SECTIONS 1, 3, AND 14, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:

Federal 6-33 well located in SE/4 NW/4, Section 33, Township 8 South, Range 16 East  
Travis Federal 7-33-8-16 well located in SE/4 NW/4, Section 33, Township 8 South, Range 16 East  
Monument Butte Federal 4-34(I) well located in NW/4 NW/4, Section 34, Township 8 South, Range 16 East  
Ashley Federal 8-15-9-15 well located in SE/4 NE/4, Section 15, Township 9 South, Range 15 East  
Monument Butte 1-43 well located in NE/4 SE/4, Section 1, Township 9 South, Range 16 East  
Monument Butte 1-34 well located in SW/4 SE/4, Section 1, Township 9 South, Range 16 East  
South Wells Draw 6-3-9-16 well located in SE/4 NW/4, Section 3, Township 9 South, Range 16 East  
South Wells Draw Federal 10-3-9-16 well located in NW/4 SE/4, Section 3, Township 9 South, Range 16 East  
Jonah Federal 10-14-9-16 well located in NW/4 SE/4, Section 14, Township 9 South, Range 16 East

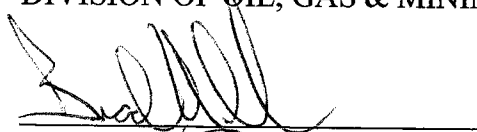
The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 13th day of December, 2010.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING



Brad Hill  
Permitting Manager

**Newfield Production Company**

**FEDERAL 6-33, TRAVIS FEDERAL 7-33-8-16,  
MONUMENT BUTTE FEDERAL 4-34(I), ASHLEY FEDERAL 8-15-9-15,  
MONUMENT BUTTE 1-43, MONUMENT BUTTE 1-34,  
SOUTH WELLS DRAW 6-3-9-16, SOUTH WELLS DRAW FEDERAL 10-3-9-16,  
JONAH FEDERAL 10-14-9-16.**

**Cause No. UIC-370**

Publication Notices were sent to the following:

Newfield Production Company  
1001 17th Street, Suite 2000  
Denver, CO 80202

Uintah Basin Standard  
268 South 200 East  
Roosevelt, UT 84066  
via e-mail [ubs@ubstandard.com](mailto:ubs@ubstandard.com)

Salt Lake Tribune  
P O Box 45838  
Salt Lake City, UT 84145  
via e-mail [naclegal@mediaoneutah.com](mailto:naclegal@mediaoneutah.com)

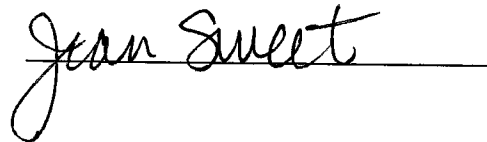
Vernal Office  
Bureau of Land Management  
170 South 500 East  
Vernal, UT 84078

Duchesne County Planning  
P O Box 317  
Duchesne, UT 84021-0317

Bruce Suchomel  
US EPA Region 8  
MS 8P-W-GW  
1595 Wynkoop Street  
Denver, CO 80202-1129

SITLA  
675 East 500 South  
Salt Lake City, UT 84102-2818

Newfield Production Company  
Rt 3 Box 3630  
Myton, UT 84052

A handwritten signature in cursive script, reading "Jean Sweet", is written over a horizontal line.

**Jean Sweet - Re: Notice of Agency Action Newfield Cause UIC-370**

---

**From:** Cindy Kleinfelter <classifieds@ubstandard.com>  
**To:** Jean Sweet <jsweet@utah.gov>  
**Date:** 12/15/2010 1:44 PM  
**Subject:** Re: Notice of Agency Action Newfield Cause UIC-370

---

On 12/14/2010 12:43 PM, Jean Sweet wrote:

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: [jsweet@utah.gov](mailto:jsweet@utah.gov).

Please send proof of publication and billing to:

Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet, Executive Secretary  
Utah Div. of Oil, Gas & Mining  
1594 West Temple, Suite 1210  
Salt Lake City, UT  
801-538-5329  
[jsweet@utah.gov](mailto:jsweet@utah.gov)

This notice will be published Dec. 21. Thank you.  
Cindy



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

December 14, 2010

Via e-mail: [ubs@ubstandard.com](mailto:ubs@ubstandard.com)

Uintah Basin Standard  
268 South 200 East  
Roosevelt, UT 84066

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-370

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: [jsweet@utah.gov](mailto:jsweet@utah.gov).

Please send proof of publication and billing to:

Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet  
Executive Secretary

Enclosure

**Jean Sweet - RE: Notice of Agency Action Newfield Cause UIC-370**

---

**From:** "NAC Legal" <naclegal@mediaoneutah.com>  
**To:** "Jean Sweet" <jsweet@utah.gov>  
**Date:** 12/14/2010 2:43 PM  
**Subject:** RE: Notice of Agency Action Newfield Cause UIC-370

---

Ad #647204 is scheduled to run December 18 in Salt Lake Tribune, Deseret News and Online utahlegals.com .

Total charge is \$250.28. Please check the ad in the papers.

Thank you,

Lynn Valdez

MediaOne of Utah,

a Newspaper Agency Company

4770 South 5600 West

West Valley City, Utah 84118

Ph.: 801-204-6245

Email: naclegal@mediaoneutah.com

---

**From:** Jean Sweet [mailto:jsweet@utah.gov]  
**Sent:** Tuesday, December 14, 2010 12:46 PM  
**To:** naclegal@mediaoneutah.com  
**Subject:** Notice of Agency Action Newfield Cause UIC-370



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

December 14, 2010

VIA E-MAIL [naclegal@mediaoneutah.com](mailto:naclegal@mediaoneutah.com)

Salt Lake Tribune  
P. O. Box 45838  
Salt Lake City, UT 84145

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-370

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: [jsweet@utah.gov](mailto:jsweet@utah.gov).

Please send proof of publication and billing for **account #9001402352** to:

Division of Oil, Gas and Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet  
Executive Secretary

Enclosure

PROOF OF PUBLICATION

CUSTOMER'S COPY

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING,  1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114	9001402352	12/20/2010

ACCOUNT NAME			
DIV OF OIL-GAS & MINING,			
TELEPHONE		ADORDER# / INVOICE NUMBER	
8015385340		0000647204 /	
SCHEDULE			
Start 12/18/2010		End 12/18/2010	
CUST. REF. NO.			
Newfield			
CAPTION			
ARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF A			
SIZE			
73 Lines		2.00 COLUMN	
TIMES		RATE	
4			
MISC. CHARGES		AD CHARGES	
		TOTAL COST	
		250.28	

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH  
NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-370

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 33 AND 34, TOWNSHIP 9 SOUTH, RANGE 16 EAST, SECTION 15, TOWNSHIP 9 SOUTH, RANGE 15 EAST, AND SECTIONS 1, 3, AND 14, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

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Federal 6-33 well located in SE/4 NW/4, Section 33, Township 9 South, Range 16 East  
Travis Federal 7-33-8-16 well located in SE/4 NW/4, Section 33, Township 9 South, Range 16 East  
Monument Butte Federal 4-34(1) well located in NW/4 NW/4, Section 34, Township 9 South, Range 16 East  
Ashley Federal 8-15-9-15 well located in SE/4 NE/4, Section 15, Township 9 South, Range 15 East  
Monument Butte 1-43 well located in NE/4 SE/4, Section 15, Township 9 South, Range 16 East  
Monument Butte 1-34 well located in SW/4 SE/4, Section 15, Township 9 South, Range 16 East  
South Wells Draw 6-3-9-16 well located in SE/4 NW/4, Section 3, Township 9 South, Range 16 East  
South Wells Draw Federal 10-3-9-16 well located in NW/4 SE/4, Section 3, Township 9 South, Range 16 East  
Jonah Federal 10-14-9-16 well located in NW/4 SE/4, Section 14, Township 9 South, Range 16 East

The proceeding will be conducted in accordance with Utah Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressure and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedure rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 13th day of December, 2010.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING  
s/ Brad Hill  
Brad Hill  
Permitting Manager

647204

UPAX

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY CORPORATION LEGAL BOOKER, I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC-370 IN THE MATTER OF THE APPLICATION FOR DIV OF OIL-GAS & MINING, WAS PUBLISHED BY THE NEWSPAPER AGENCY CORPORATION, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH. NOTICE IS ALSO POSTED ON UTAHLEGALS.COM ON THE SAME DAY AS THE FIRST NEWSPAPER PUBLICATION DATE AND REMAINS ON UTAHLEGALS.COM INDEFINITELY.

Start 12/18/2010

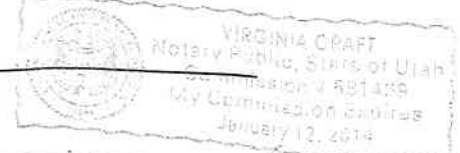
End 12/18/2010

PUBLISHED ON

SIGNATURE

12/20/2010

THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"  
PLEASE PAY FROM BILLING STATEMENT



Virginia Craft



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

January 11, 2011

Newfield Production Company  
1001 Seventeenth Street, Suite 2000  
Denver, CO 80202

Subject: Greater Monument Butte Unit Well: Monument Butte Federal 4-34(I), Section 34, Township 8 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-31669

Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Newfield Production Company.
3. A casing/tubing pressure test shall be conducted prior to commencing injection.
4. Pressure shall be monitored between the surface casing and the production casing on a regular basis. Any pressure changes observed shall be reported to the Division immediately.

A final approval to commence injection will be issued upon satisfactory completion of the listed stipulations. If you have any questions regarding this approval or the necessary requirements, please contact Mark Reinbold at 801-538-5333 or Brad Hill at 801-538-5315.

Sincerely,

John Rogers  
Associate Director

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency  
Bureau of Land Management, Vernal  
Duchesne County  
Newfield Production Company, Myton  
Well File

N:\O&G Reviewed Docs\ChronFile\UIC







**DIVISION OF OIL, GAS AND MINING**  
**UNDERGROUND INJECTION CONTROL PROGRAM**  
**PERMIT**  
**STATEMENT OF BASIS**

**Applicant:** Newfield Production Company      **Well:** Monument Butte Federal 4-34I-8-16

**Location:** 34/8S/16E      **API:** 43-013-31669

**Ownership Issues:** The proposed well is located on BLM land. The well is located in the Greater Monument Butte Unit. Lands in the one-half mile radius of the well are administered by the BLM. The Federal Government is the mineral owner within the area of review (AOR). Newfield and other various individuals hold the leases in the unit. Newfield has provided a list of all surface, mineral and lease holders in the half-mile radius. Newfield is the operator of the Greater Monument Butte Unit. Newfield has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

**Well Integrity:** The proposed well has surface casing set at 301 feet and has a cement top at the surface. A 5½ inch production casing is set at 6,160 feet. A cement bond log demonstrates adequate bond in this well up to about 3,510 feet. A 2 7/8 inch tubing with a packer will be set at 4,479 feet. Higher perforations will be opened at a later date. A mechanical integrity test will be run on the well prior to injection. On the basis of surface locations, there are 7 producing wells and 6 injection wells in the AOR. One of the producing wells is directionally drilled, with a surface location inside the AOR, but the bottom hole location is outside the AOR. There are currently 2 permitted surface locations outside the AOR from which wells will be directionally drilled into the AOR. All of the existing wells have evidence of adequate casing and cement. Inasmuch as some logs are of dubious quality or do not exhibit conclusive cement tops, it has been necessary to calculate approximate tops for "lite" cement, based on the cement indicated in the well completion report.

**Ground Water Protection:** As interpreted from Technical Publication No. 92, the base of moderately saline water is at a depth of approximately 400 feet. Injection shall be limited to the interval between 4,317 feet and 6,119 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 4-34I-8-16 well is 0.79 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 2,048 psig. The requested maximum pressure is 2,048 psig. We intend to permit this well at a maximum pressure of 2,000 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

**Monument Butte Federal 4-34I-8-16**

**page 2**

**Oil/Gas& Other Mineral Resources Protection:** The Board of Oil, Gas & Mining approved the Greater Monument Butte Unit on December 1, 2009. Correlative rights issues were addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

**Bonding:** Bonded with the BLM

**Actions Taken and Further Approvals Needed:** A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that approval of this application be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Mark Reinbold

Date 1/11/2011

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL:		OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NUMBER:	USA UTU-62848
2. NAME OF OPERATOR:		NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
3. ADDRESS OF OPERATOR:		Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME:	GMBU
4. LOCATION OF WELL:		FOOTAGES AT SURFACE: 660 FNL 660 FWL		8. WELL NAME and NUMBER:	MONUMENT BUTTE FED 4-34 (I)
		OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NWNW, 34, T8S, R16E		9. API NUMBER:	4301331669
				10. FIELD AND POOL, OR WILDCAT:	GREATER MB UNIT
				COUNTY: DUCHESNE	
				STATE: UT	

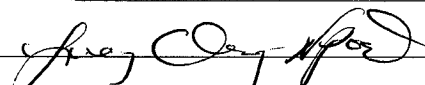
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will  	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:  03/07/2011	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: -
	<input checked="" type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The subject well has been converted from a producing oil well to an injection well on 03/01/2011.  
On 03/07/2011 Dennis Ingram with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 03/07/2011 the casing was pressured up to 1550 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not a State representative available to witness the test.

API# 43-013-31669

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	TITLE Water Services Technician
SIGNATURE 	DATE 03/09/2011

(This space for State use only)

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MAR 14 2011  
DIV. OF OIL, GAS & MINING

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: \_\_\_\_\_ Date 3/7/11 Time \_\_\_\_\_ am pm

Test Conducted by: DAVE CLOWARD

Others Present: \_\_\_\_\_

Well: <u>MONUMENT BUTTE FEDERAL</u> <u>4-34-8-16</u>	Field: <u>MONUMENT BUTTE FEDERAL</u> <u>4-34-8-16</u> <u>UTU 87538X</u>
Well Location: <u>MONUMENT BUTTE FEDERAL 4-34-8-16</u> API No: <u>43-013-31669</u>	
<u>NW/NE Sec. 34, T8S, R16E</u>	

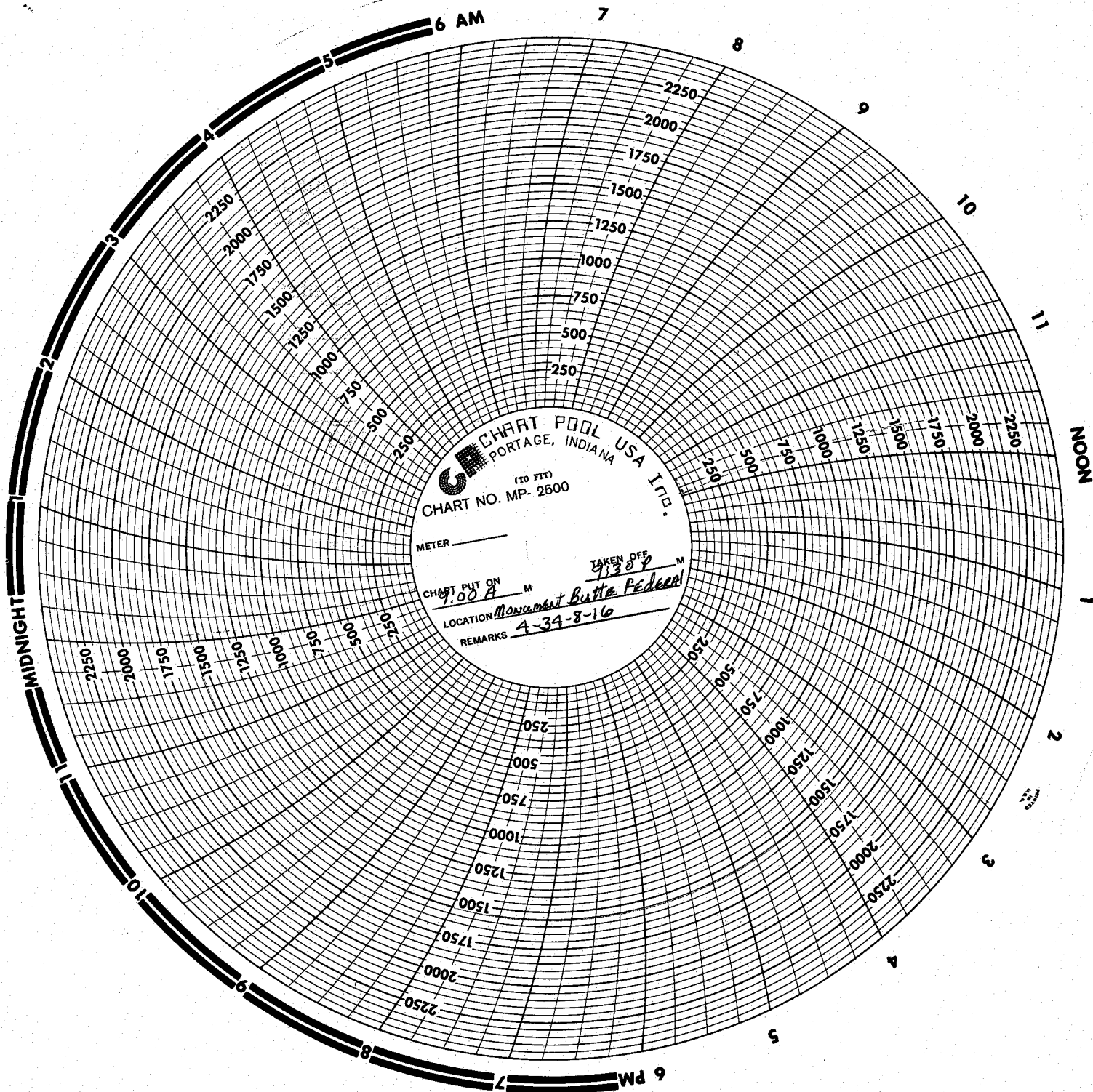
<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1550</u>	psig
5	<u>1550</u>	psig
10	<u>1550</u>	psig
15	<u>1550</u>	psig
20	<u>1550</u>	psig
25	<u>1550</u>	psig
30 min	<u>1550</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 0 psig

Result: Pass Fail

Signature of Witness: \_\_\_\_\_

Signature of Person Conducting Test: David Cloward



**Daily Activity Report****Format For Sundry****MON BT 4-34-8-16****1/1/2011 To 5/30/2011****3/1/2011 Day: 1****Conversion**

WWS #7 on 3/1/2011 - MIRU Western rig #7. Start LD rod string. - RU HO trk to tbg & flush W/ 30 BW @ 250°F. Con't TOH & LD rod string & pump. ND wellhead & release TA @ 5950'. NU BOP. Talley & PU 2 jts work string to tag fill @ 6065' (btm perfs are buried). TOH & talley production tbg. Break even connections, clean & inspect pins and apply Liquid O-ring to pins. LD BHA. MU & TIH W/ bailer assembly. Bail fill f/ 6065' to 6087'. Rotate W/ tongs (very torquey) & spud. Making no additional hole. Engineering evaluation called it quits on btm perfs (not connected in offsets). TOH W/ 10 stds & SIFN. - MIRU Western rig #7. RU HO trk to annulus & pump 60 BW @ 250°F. RU pumping unit & unseat rod pump. Flush tbg & rods W/ 30 BW @ 250°F. Re-seat pump, soft joint rod string & strip off flow-T. Fill tbg W/ 15 BW. Pressure test tbg to 3000 psi. Retrieve rod string & unseat pump. TOH & LD 125 rods. PU polished rod & SIFN. - MIRU Western rig #7. RU HO trk to annulus & pump 60 BW @ 250°F. RU pumping unit & unseat rod pump. Flush tbg & rods W/ 30 BW @ 250°F. Re-seat pump, soft joint rod string & strip off flow-T. Fill tbg W/ 15 BW. Pressure test tbg to 3000 psi. Retrieve rod string & unseat pump. TOH & LD 125 rods. PU polished rod & SIFN. - RU HO trk to tbg & flush W/ 30 BW @ 250°F. Con't TOH & LD rod string & pump. ND wellhead & release TA @ 5950'. NU BOP. Talley & PU 2 jts work string to tag fill @ 6065' (btm perfs are buried). TOH & talley production tbg. Break even connections, clean & inspect pins and apply Liquid O-ring to pins. LD BHA. MU & TIH W/ bailer assembly. Bail fill f/ 6065' to 6087'. Rotate W/ tongs (very torquey) & spud. Making no additional hole. Engineering evaluation called it quits on btm perfs (not connected in offsets). TOH W/ 10 stds & SIFN.

**Daily Cost: \$0****Cumulative Cost: \$63,722****3/2/2011 Day: 3****Conversion**

WWS #7 on 3/2/2011 - TOH & LD bailer. TIH W/ packer & test injection string. Set & test packer. RDMOSU. - RU HO trk & flush tbg W/ 30 BW @ 250°F. TIH W/ tbg & tag fill @ 6087'. LD work string. TOH W/ tbg. Break odd connections, clean & inspect pins and apply Liquid O-ring to pins. LD btm 50 jts production tbg and bailer. Recovered approx. 70' of sand & scale, and some pieces of TA springs in cavity/checks. MU & TIH W/ new Weatherford 5 1/2" Arrowset 1-X packer (W/ wicker slips & W.L. re-entry guide), new 2 7/8 SN and 143 jts 2 7/8 8rd 6.5# M-50 tbg. Re-torque each connection on TIH. RU HO trk & pump 10 bbls pad. Drop standing valve & pump to SN. Pressure test tbg to 3000 psi. Bled air & re-bumped pressure several times. Final test held solid for 30 minutes. Retrieve standing valve W/ overshot on sandline. ND BOP & land tbg on flange. Mix 15 gals Multi-Chem C-6031 & 5 gals B-8850 in 70 bbls fresh water. Pump dn annulus @ 90°F. PU on tbg & set pkr W/ SN @ 4451', CE @ 4455' & EOT @ 4459'. Land tbg W/ 15,000# tension. NU wellhead. Pressure test annulus & pkr to 1500 psi. Held solid for 1 hour. RDMOSU.

**Daily Cost: \$0****Cumulative Cost: \$74,573****3/8/2011 Day: 4****Conversion**

Rigless on 3/8/2011 - Conversion MIT - On 3/3/2011 Dennis Ingram with the State of Utah DOGM was contacted concerning the Conversion MIT on the above listed well (Monument Butte 4-34-8-16). On 3/7/2011 the csg was pressured up to 1550 psig and charted for 30

minutes with no pressure loss. The well was not injecting during the test The tbg pressure was 0 psig during the test. There was not a State representative available to witness the test. Final Report API# 43-013-31669 **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$100,253

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**Pertinent Files: Go to File List**



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

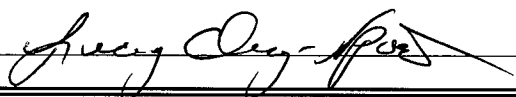
1. TYPE OF WELL:	OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER	5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-62848
2. NAME OF OPERATOR:	NEWFIELD PRODUCTION COMPANY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR:	Route 3 Box 3630 CITY Myton STATE UT ZIP 84052	7. UNIT or CA AGREEMENT NAME: GMBU
4. LOCATION OF WELL:	FOOTAGES AT SURFACE: 660 FNL 660 FWL	8. WELL NAME and NUMBER: MONUMENT BUTTE FED 4-34 (I)
	OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NWNW, 34, T8S, R16E	9. API NUMBER: 4301331669
		10. FIELD AND POOL, OR WILDCAT: GREATER MB UNIT
		COUNTY: DUCHESNE
		STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will 04/07/2011	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input checked="" type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/STOP) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLAIR <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: - Put on Injection
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above reference well was put on injection at 12:00 PM on 04-07-2011.

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	TITLE Water Services Technician
SIGNATURE 	DATE 04/07/2011

(This space for State use only)

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APR 11 2011

DIV. OF OIL, GAS & MINING



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

## UNDERGROUND INJECTION CONTROL PERMIT

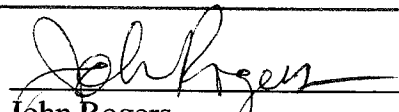
Cause No. UIC-370

**Operator:** Newfield Production Company  
**Well:** Monument Butte Federal 4-34(I)  
**Location:** Section 34, Township 8 South, Range 16 East  
**County:** Duchesne  
**API No.:** 43-013-31669  
**Well Type:** Enhanced Recovery (waterflood)

### Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on January 11, 2011.
2. Maximum Allowable Injection Pressure: 2,000 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (4,317' – 6,119')
5. Any subsequent wells drilled within a ½ mile radius of this well shall have production casing cement brought up to or above the top of the unitized interval for the Greater Monument Butte Unit.

Approved by:

  
John Rogers  
Associate Director

Date

3/17/2011

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency  
Bureau of Land Management, Vernal  
Eric Sundberg, Newfield Production Company, Denver  
Newfield Production Company, Myton  
Duchesne County  
Well File

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Spud Date: 10/22/96  
Put on Production: 11/16/96  
GL: 5616' KB: 5629'

# Monument Butte Federal 4-34-8-16

Initial Production: 98 BOPD,  
79 MCFPD, 12 BWPD

## SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 301.17'(10 jts.)  
DEPTH LANDED: 300.57' GL  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 120 sxs Premium cmt, est 6 bbls to surf

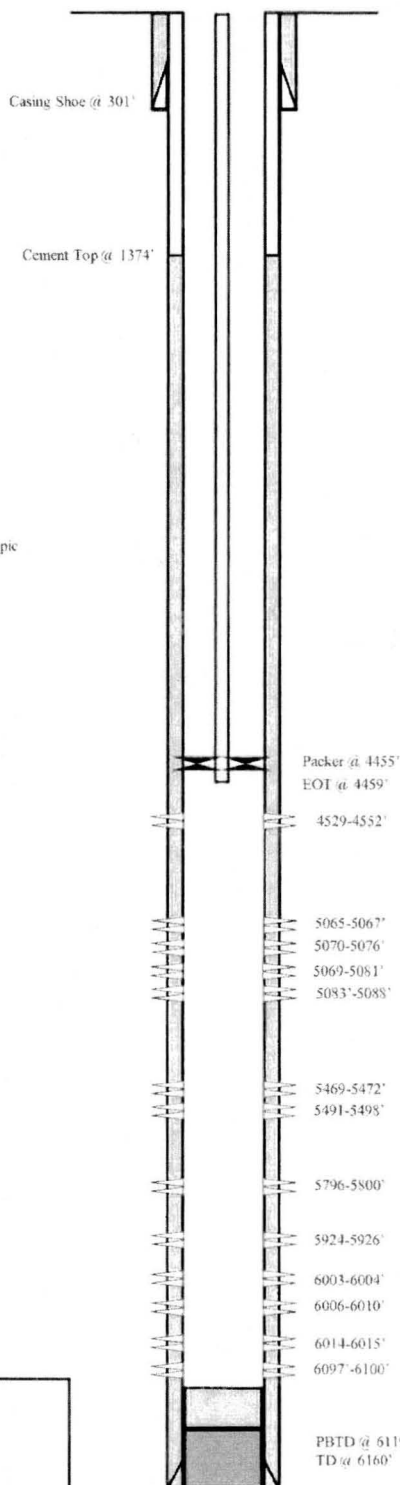
## PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 146 jts. (6172.89')  
DEPTH LANDED: 6160.09'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 380 sk Hibond mixed & 400 sxs thixotropic  
CEMENT TOP AT: 1374' per CBL

## TUBING

SIZE GRADE/WT: 2-7/8" / M-50 / 6.5#  
NO. OF JOINTS: 143 jts (4437.5')  
SEATING NIPPLE: 2-7/8" (1.11')  
SN LANDED AT: 4450.5'  
CE @ 4454.92'  
TOTAL STRING LENGTH: EOT @ 4459'

## Injection Wellbore Diagram



## FRAC JOB

11/7/96 5796'-6100' **Frac LODC, CP-2 & CP-3 sand as follows:** 127,500# of 20/40 sand in 748 bbls of Boragel. Breakdown @ 3750 psi. Treated @ avg rate of 36 bpm w/avg press of 2200 psi. ISIP-2086, 5-min 1997 psi. Flowback on 12.64" ck for 6 hours and died.

11/11/96 5469'-5498' **Frac A-3 sand as follows:** 95,000# of 20/40 sand in 542 bbls of Boragel. Breakdown @ 3024 psi. Treated @ avg rate of 22.2 bpm w/avg press of 1800 psi. ISIP 2352 psi, 5-min 2255 psi. Flowback on 12.64" ck for 4 hours and died.

11/13/96 5065'-5088' **Frac D-2 sand as follows:** 94,800# of 20/40 sand in 507 bbls of Boragel. Breakdown @ 12209 psi. Treated @ avg rate of 23 bpm w/avg press of 1750 psi. ISIP-2713 psi, 5-min 2591 psi. Flowback on 12.64" ck for 5-1/2 hours and died.

7/3/01 4529'-4552' **Frac GB-6 sand as follows:** 97,320# of 20/40 sand in 536 bbls of Viking 1-25 fluid. Treated @ avg rate of 27.5 bpm w/avg press of 2130 psi. ISIP-2480 psi. Flow back on 12.64" ck.

7/8/01 **Recompletion finalized** - update rod & thg detail

8/21/07 **Pump change** Updated rod & tubing details.

03/01/11 **Convert to Injection well**

03/07/11 **Conversion MIT finalized** - update thg detail

## PERFORATION RECORD

Date	Depth Range	Tool Joint	Holes
11/7/96	6097'-6100'	4 JSPF	12 holes
11/7/96	6014'-6015'	4 JSPF	4 holes
11/7/96	6006'-6010'	4 JSPF	16 holes
11/7/96	6003'-6004'	4 JSPF	4 holes
11/7/96	5924'-5926'	4 JSPF	8 holes
11/7/96	5796'-5800'	4 JSPF	16 holes
11/9/96	5491'-5498'	4 JSPF	28 holes
11/9/96	5469'-5472'	4 JSPF	12 holes
11/12/96	5083'-5088'	4 JSPF	20 holes
11/12/96	5069'-5081'	4 JSPF	12 holes
11/12/96	5070'-5076'	4 JSPF	24 holes
11/12/96	5065'-5067'	4 JSPF	8 holes
7/3/01	4529'-4552'	4 JSPF	92 holes

**NEWFIELD**

**Monument Butte Federal 4-34-8-16**

660 FWL & 660 FNL

NWNW Section 34-T8S-R16E

Duchesne Co, Utah

API #43-013-31669; Lease #UTU-62848

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-62848
<b>1. TYPE OF WELL</b> Water Injection Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> MONUMENT BUTTE FED 4-34 (I)
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0660 FNL 0660 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNW Section: 34 Township: 08.0S Range: 16.0E Meridian: S		<b>9. API NUMBER:</b> 43013316690000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 1/28/2016	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> CHANGE WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input checked="" type="checkbox"/> OTHER	
	OTHER: 5 YR MIT	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  On 01/25/2016 Amy Doebele with the State of Utah DOGM was contacted concerning the 5 Year MIT on the above listed well. On 01/28/2016 the casing was pressured up to 1317 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 1892 psig during the test. There was a State representative available to witness the test - Amy Doebele.		
Accepted by the Utah Division of Oil, Gas and Mining <b>FOR RECORD ONLY</b> January 29, 2016		
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 1/29/2016	

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: \_\_\_\_\_ Date 1/28/16 Time 9:45 am pm

Test Conducted by: INAKI LASA

Others Present: \_\_\_\_\_

5 YEAR MIT

Well: MB 4-34-8-16

Field: Monument Butte

Well Location:

Duchesne County, UTAH.

API No: 4301331669

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>0</u>	psig
5	<u>1,319</u>	psig
10	<u>1,319</u>	psig
15	<u>1,318</u>	psig
20	<u>1,317</u>	psig
25	<u>1,317</u>	psig
30 min	<u>1,317</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 1,892 psig

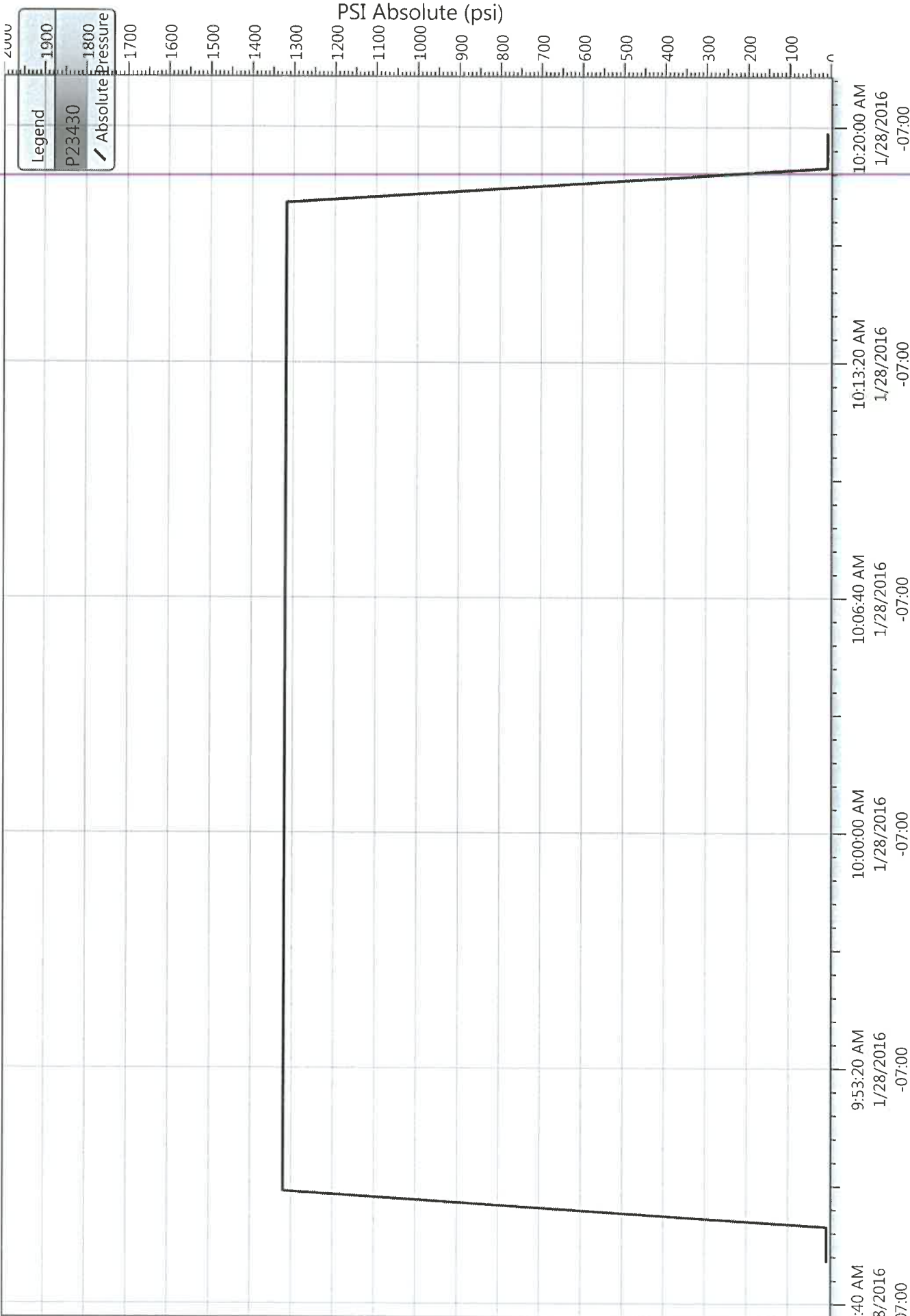
Result: Pass Fail

Signature of Witness: \_\_\_\_\_

Signature of Person Conducting Test: \_\_\_\_\_

Inaki Laso

MBF 4-34-8-16 5 Year MIT  
1/28/2016 10:57:44 AM



STATE OF UTAH  
DIVISION OF OIL GAS AND MINING

## INJECTION WELL - PRESSURE TEST

Well Name: <u>GMBH 4-34-8-16</u>	API Number: <u>43-013-31669</u>
Qtr/Qtr: <u>NW NW</u> Section: <u>34</u>	Township: <u>8S</u> Range: <u>16E</u>
Company Name: <u>Newfield</u>	
Lease: State _____ Fee _____	Federal <input checked="" type="checkbox"/> Indian _____
Inspector: <u>Doobale</u>	Date: <u>1/28/16</u> <u>9:50 am</u>

Initial Conditions:

Tubing - Rate: 0 openPressure: 1899 psi

1350

2000 max

Casing/Tubing Annulus - Pressure: 0 psi

Conditions During Test:

Time (Minutes)

Annulus Pressure

Tubing Pressure

0

1319.61892gauge  
~~1350~~ 1310

5

1319.01892

10

1318.01891

15

1317.81891

1310

20

1317.41892

25

1317.21892

1310

30

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: 1889 psiCasing/Tubing Annulus Pressure: 0 psiCOMMENTS: PASS

took ~20 min to charge - suspect junk in annulus - pressure  
dropped twice, then held ~~only~~ ~5 min. Started test.  
Indi Lasa

Operator Representative